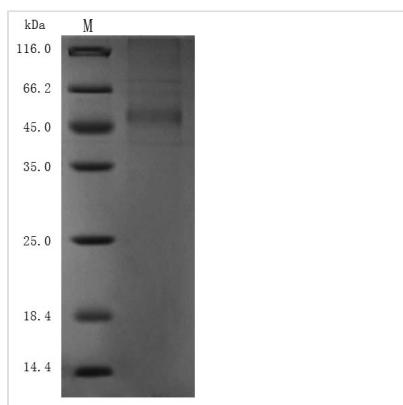


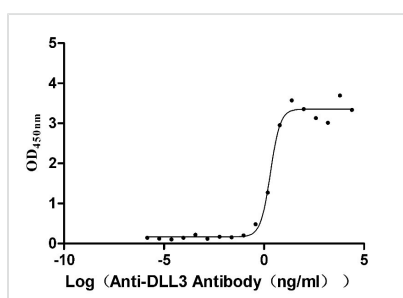


# Recombinant Macaca fascicularis Delta-like protein 3 (DLL3), partial (Active)

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-MP3536MOV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Abbreviation</b>        | Recombinant Cynomolgus monkey DLL3 protein, partial (Active)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>             | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                  |
| <b>Uniprot No.</b>         | A0A2K5WSR4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>                | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage Buffer</b>      | Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Product Type</b>        | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Immunogen Species</b>   | Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Biological Activity</b> | Measured by its binding ability in a functional ELISA. Immobilized DLL3 at 2 µg/mL can bind Anti-DLL3 Recombinant Antibody?CSB-RA882142A1HU?, the EC <sub>50</sub> is 1.625-2.702 ng/mL.                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>              | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Sequence</b>            | AGVFELQIHSFGPGPGPGAPRSPCSARGPCRLFFRVCLKPGLSEEEAAESPCAL<br>GAALSARGPVYTEQPEAPAPDLPLPNGLLQVPFRDAWPGTFSLIETWREELG<br>DQIGGPAWSLLARVTRRRRLAAGGPWARDIQRAGAWELRFSYRARCELP<br>GTACTRLCRPRSAPSRGPGRLPCAPLEDECEAPPVCRAGCSLEHGFCEQP<br>GECRCLEGWTGPLCMVPVSTSSCLGLRGPSSTTTGCLVPGPGPCDGNPCAN<br>GGSCSETPGSFECTCPRGFYGLRCEVSGVTCADGPCFNGGLCVGGADPDSA<br>YICHCPPGFQGSNCEKRVDRCSLQPCRNGGLCLDLGHALRCRCRAGFAGPR<br>CEHDLDDCAGRACANGGTCVEGGGAHRCSCALGFGRNCRERADPCAARP<br>CAHGGRCYAHFSGLVACAPGYMGARCEFPVHPDGVSAALPAAPPGLRPGDP<br>QR |
| <b>Research Area</b>       | Cell Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>              | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Target Names</b>        | DLL3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Expression Region</b>   | 27-490aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Notes</b>               | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Tag Info</b>            | C-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Mol. Weight</b>         | 50.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Length</b>      | Partial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Image</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



**Activity**  
Measured by its binding ability in a functional ELISA. Immobilized DLL3 at 2 µg/ml can bind Anti-DLL3 Recombinant Antibody?CSB-RA882142A1HU?, the EC<sub>50</sub> is 1.625-2.702 ng/mL.

## Description

CUSABIO's product CSB-MP3536MOV is an active recombinant Delta-like protein 3 (DLL3) tagged the 6xHis at the C-terminus. It is expressed in mammalian cells with the gene fragment mapping within amino acids 27-490 of Macaca fascicularis DLL3 protein. Its bioactivity has been validated by binding to the anti-DLL3 antibody in a functional ELISA. The EC<sub>50</sub> is 1.625-2.702 ng/mL. Its purity is over 85% measured by SDS-PAGE. On the gel, this protein migrated to the molecular weight band of approximately 55 kDa. The endotoxin content of the recombinant protein was less than 1.0 EU/ug determined by the LAL method. This DLL3 protein is available. DLL3 is a negative Notch regulator and is expressed during brain development where it modulates somitogenesis. It is not expressed on the surface of normal cells but is highly expressed on the surface of tumor cells. Aberrant DLL3 expression has been found in most small cell lung cancer (SCLC) cells.

## Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.