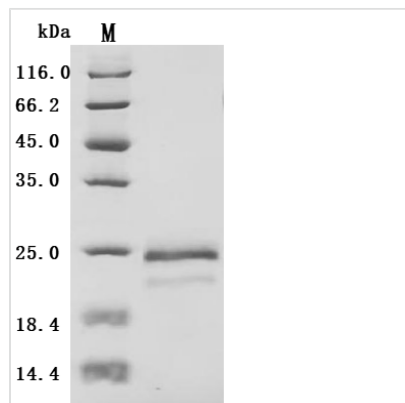


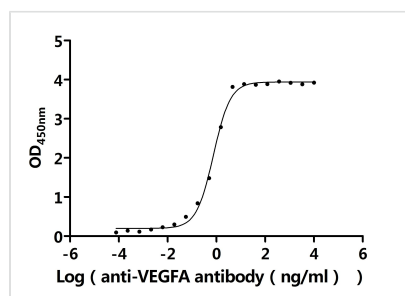


# Recombinant Human Vascular endothelial growth factor A, long form (VEGFA) (Active)

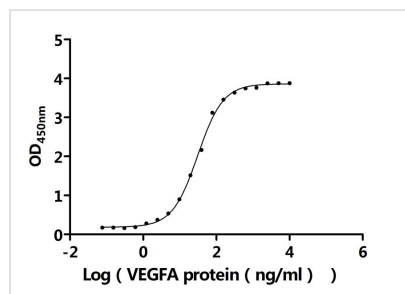
|                            |                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-MP025833HU(F4)                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Abbreviation</b>        | Recombinant Human VEGFA protein (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>         | P15692-4                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Form</b>                | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>      | Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4                                                                                                                                                                                                                                                                                                                 |
| <b>Product Type</b>        | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen Species</b>   | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Biological Activity</b> | ①Measured by its binding ability in a functional ELISA. Immobilized Human VEGFA protein at 2 µg/mL can bind Anti-VEGFA recombinant antibody (CSB-RA025833MA2HU). The EC50 is 0.6797-0.8382 ng/mL.<br>②Measured by its binding ability in a functional ELISA. Immobilized Human FLT1 (CSB-MP008732HU) protein at 2 µg/mL can bind Human VEGFA protein. The EC50 is 28.72-33.22 ng/mL. |
| <b>Purity</b>              | Greater than 95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                          |
| <b>Sequence</b>            | APMAEGGGQNHHEVVKFMDVYQRSYCHPIETLVDIFQEYPDEIEYIFKPSCVPL<br>MRCGGCCNDEGLECVPTESNITMQIMRIKPHQGGQHIGEMSFLQHNKCECRP<br>KKDRARQENPCGPCSERRKHLFVQDPQTCKCCKNTDSRCKARQLELNERT<br>CRCDKPRR                                                                                                                                                                                                     |
| <b>Source</b>              | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Target Names</b>        | VEGFA                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Expression Region</b>   | 27-191aa                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Notes</b>               | Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.                                                                                                                                                                                                                                                                                   |
| <b>Tag Info</b>            | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                              |
| <b>Mol. Weight</b>         | 21.4 kDa                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Length</b>      | Full Length of Mature Protein of Isoform VEGF165                                                                                                                                                                                                                                                                                                                                     |
| <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 Human VEGFA protein at 2 µg/ml can bind Anti-VEGFA recombinant antibody (CSB-RA025833MA2HU). The EC<sub>50</sub> is 0.6797-0.8382 ng/mL.



**Activity**  
Measured by its binding ability in a functional ELISA. Immobilized Human FLT1 (CSB-MP008732HU) protein at 2 µg/ml can bind Human VEGFA protein. The EC<sub>50</sub> is 28.72-33.22 ng/mL.

## 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.