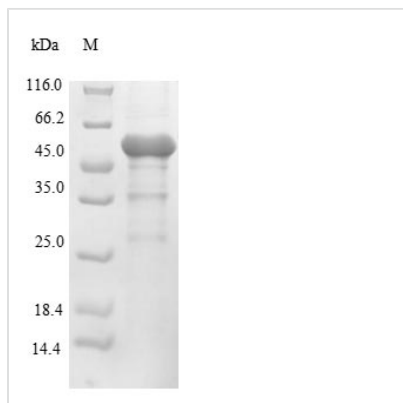


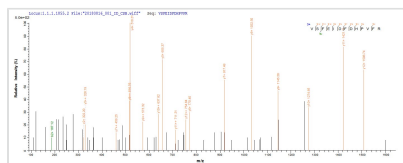


# Recombinant Pseudomonas aeruginosa UDP-3-O-acyl-N-acetylglucosamine deacetylase (lpxC)

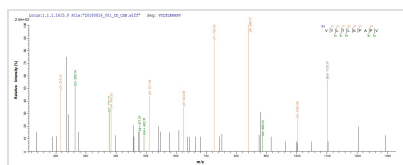
|                          |                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-EP409457PZL                                                                                                                                                                                                                                                                                                                  |
| <b>Relevance</b>         | Catalyzes the hydrolysis of UDP-3-O-myristoyl-N-acetylglucosamine to form UDP-3-O-myristoylglucosamine and acetate, the committed step in lipid A biosynthesis.                                                                                                                                                                  |
| <b>Abbreviation</b>      | Recombinant Pseudomonas aeruginosa lpxC protein                                                                                                                                                                                                                                                                                  |
| <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>       | A6VB79                                                                                                                                                                                                                                                                                                                           |
| <b>Alias</b>             | UDP-3-O-[R-3-hydroxymyristoyl]-N-acetylglucosamine deacetylase                                                                                                                                                                                                                                                                   |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                              |
| <b>Immunogen Species</b> | Pseudomonas aeruginosa (strain PA7)                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>            | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                      |
| <b>Sequence</b>          | MIKQRTLKNIIRATGVGLHSGEKVYLTLKPAPVDTGIVFCRTDLDPVVEIPARAE<br>NVGETTMSTTLVKGDVKVDTVEHLLSAMAGLGIDNAYVELSASEVPIMDGSAG<br>PFVFLIQSAGLQEQAACKFIRIKREVSVEEGDKRAVFPFDGFKVSFEIDFDHP<br>VFRGRTQQASVDFSSTSFVKEVSRARTFGFMRDIEYLRSQNLALGGSVENAI<br>VDENRVLNEDGLRYEDEFVKHKILDAIGDLYLLGNSLIGEFRGFKSGHALNNQL<br>LRSLIADRDAAWEVTFEDARTAPISYMRPAAAV |
| <b>Research Area</b>     | Signal Transduction                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                           |
| <b>Target Names</b>      | lpxC                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Names</b>     | Recommended name: UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase EC= 3.5.1.-Alternative name(s): UDP-3-O-acyl-GlcNAc deacetylase                                                                                                                                                                                   |
| <b>Expression Region</b> | 1-303aa                                                                                                                                                                                                                                                                                                                          |
| <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>          | N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged                                                                                                                                                                                                                                                                          |
| <b>Mol. Weight</b>       | 53.4kDa                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Length</b>    | Full Length                                                                                                                                                                                                                                                                                                                      |
| <b>Image</b>             |                                                                                                                                                                                                                                                                                                                                  |



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP409457PZL could indicate that this peptide derived from E.coli-expressed *Pseudomonas aeruginosa* (strain PA7) lpxC.



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## 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

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