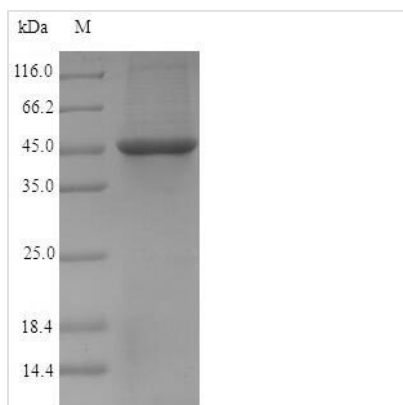


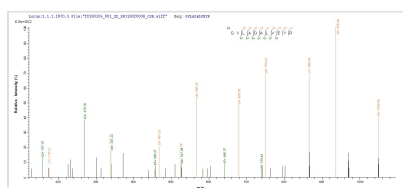


Recombinant Chlamydia trachomatis Probable outer membrane protein PmpD (pmpD), partial

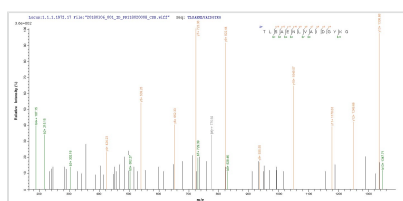
Product Code	CSB-EP530746DSB
Abbreviation	Recombinant Chlamydia trachomatis pmpD protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O84818
Alias	Polymorphic membrane protein D
Product Type	Recombinant Protein
Immunogen Species	Chlamydia trachomatis
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	EFDYSTNVWGFAFGGFRTLSEAENLVAIDGYKGAYGGASAGVDIQLMEDFVLG VSGAAFLGKMDSQKFDAEVSRRKGVVGSVYTGFLAGSWFFKGQYSLGETQND MKTRYGVLGESSASWTSRGVLADALVEYRSLVGPVRPTFYALHFNPHYVEVSY ASMKFPGFTEQGREARSFEDASLTNITPLGMKFELAFIKGFSEVNSLGISYA WEAYRKVEGGAVQLLEAGFDWEGAPMDLPRQELRVALENNTWSSYFSTVL GLTAFCGGFTSTDSKLGYEANTGLRLIF
Research Area	Microbiology
Source	E.coli
Target Names	pmpD
Protein Names	Recommended name: Probable outer membrane protein pmpD Alternative name(s): Polymorphic membrane protein D
Expression Region	1244-1531aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	47.5kDa
Protein Length	partial
Image	



(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-EP530746DSB could indicate that this peptide derived from E.coli-expressed Chlamydia trachomatis (strain D/UW-3/Cx) pmpD.



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Description

Expressing the recombinant Chlamydia trachomatis (strain D/UW-3/Cx) pmpD protein generally involves constructing a plasmid encoding the Chlamydia trachomatis (strain D/UW-3/Cx) pmpD protein (1244-1531aa). This plasmid is introduced into e.coli cells, followed by the selection and culturing of positive e.coli cells, induction of protein expression, and subsequent cell lysis. The protein is fused with a N-terminal 6xHis-SUMO tag. The recombinant Chlamydia trachomatis (strain D/UW-3/Cx) pmpD protein is purified through affinity purification, and SDS-PAGE analysis is conducted to confirm the presence of the protein and determine its purity. This protein exhibits a purity exceeding 90%.

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.