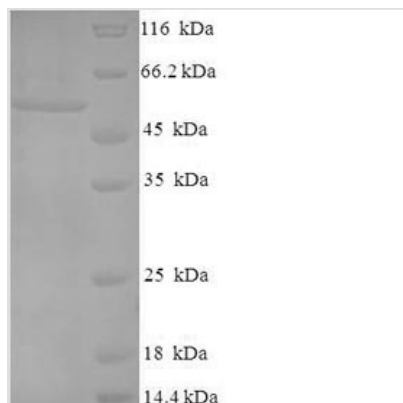


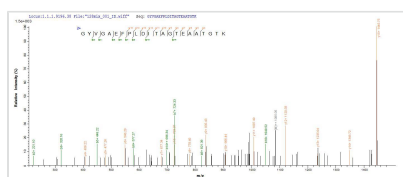


Recombinant Chlamydia trachomatis Major outer membrane porin, serovar A (ompA)

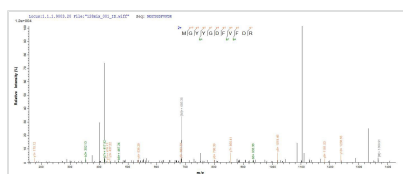
Product Code	CSB-EP328425DSA
Relevance	In elementary bodies (EBs, the infectious stage, which is able to survive outside the host cell) provides the structural integrity of the outer envelope through disulfide cross-links with the small cysteine-rich protein and the large cysteine-rich periplasmic protein. It has been described in publications as the Sarkosyl-insoluble COMC (Chlamydia outer membrane complex), and serves as the functional equivalent of peptidoglycan. Permits diffusion of specific solutes through the outer membrane.
Abbreviation	Recombinant Chlamydia trachomatis ompA protein
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.	P23732
Product Type	Recombinant Protein
Immunogen Species	Chlamydia trachomatis
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	LPVGNPAEPLMIDGILWEGFGGDPCTTWCDALSMRMGYGDFVFDRVL KTDVNKEFQMGAAPTTRDVAGLEKDPVVNVARNPNPAYGKHMQDAEMFTNAA YMALNIWDRFDVFCTLGATTGYLKGNSASFNLVGLFGTKTQSSGFDANIVPN TALNQAVVELYTDTTFAWSVGARAALWECGCATLGASFQYAQSKPKVEELNV LCNASEFTINKPKGYVGAEFPLDITAGTEAATGTKDASIDYHEWQASLALSRYL NMFTPYIGVKWSRVSFADTIRIAQPKLAKPVLDTTTLNPTIAGKGTVSSAEN ELADTMQIVSLQLNKMKSRSKSCGIAVGTTIVDADKYAVTVETRLIDERAHVNA QFRF
Research Area	Others
Source	E.coli
Target Names	ompA
Expression Region	23-396aa
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	56.6kDa
Protein Length	Full Length of Mature Protein
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-EP328425DSA could indicate that this peptide derived from E.coli-expressed Chlamydia trachomatis ompA.



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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

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.