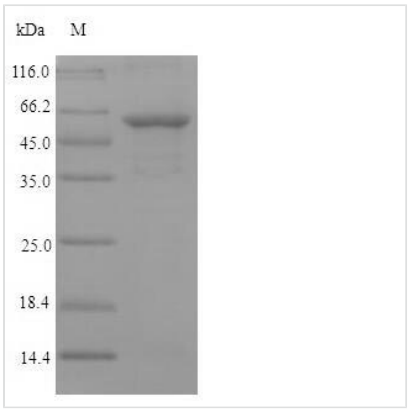
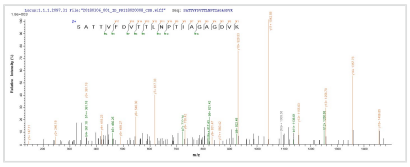
Recombinant Chlamydia trachomatis serovar L2 Major outer membrane porin (ompA)

Product Code	CSB-EP356881DSG
Relevance	n 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 (By similarity).
Abbreviation	Recombinant Chlamydia trachomatis serovar L2 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.	P06597
Alias	MOMP
Product Type	Recombinant Protein
Immunogen Species	Chlamydia trachomatis serovar L2 (strain 434/Bu / ATCC VR-902B)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	LPVGNPAEPSLMIDGILWEGFGGDPCDPCTTWCDAISMRMGYYGDFVFDRVL QTDVNKEFQMGAKPTTATGNAAAPSTCTARENPAYGRHMQDAEMFTNAAYM ALNIWDRFDVFCTLGATSGYLKGNSASFNLVGLFGDNENHATVSDSKLVPNM SLDQSVVELYTDTTFAWSAGARAALWECGCATLGASFQYAQSKPKVEELNVL CNAAEFTINKPKGYVGQEFPLDLKAGTDGVTGTKDASIDYHEWQASLALSYRL NMFTPYIGVKWSRASFDADTIRIAQPKSATTVFDVTTLNPTIAGAGDVKASAEG QLGDTMQIVSLQLNKMKSRKSCGIAVGTTIVDADKYAVTVETRLIDERAAHVNA QFRF
Research Area	Microbiology
Source	E.coli
Target Names	ompA
Protein Names	Recommended name: Major outer membrane porin Short name= MOMP
Expression Region	23-394aa
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	56.3kDa
Protein Length	Full Length of Mature Protein

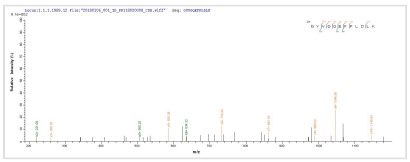
Image



(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-EP356881DSG could indicate that this peptide derived from E.coli-expressed Chlamydia trachomatis serovar L2 (strain 434/Bu / ATCC VR-902B) ompA.



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Description

Take your microbiology research to new heights with our Recombinant Chlamydia trachomatis serovar L2 Major Outer Membrane Porin (MOMP), a pivotal protein in the pathogenicity and host immune response of Chlamydia trachomatis, a leading cause of sexually transmitted infections. Derived from the Chlamydia trachomatis serovar L2 (strain 434/Bu / ATCC VR-902B), this recombinant protein is produced in E. coli for consistent quality and purity in your research applications.

The Recombinant Chlamydia trachomatis serovar L2 MOMP offers the full length of the mature protein, with an expression region of 23-394aa, giving you access to the complete functional profile for your studies. The N-terminal 6xHis-SUMO-tag provides seamless purification and detection while maintaining the protein's biological activity. With greater than 90% purity as determined by SDS-PAGE, our Recombinant Chlamydia trachomatis serovar L2 MOMP ensures exceptional quality for your experiments.

Supplied as lyophilized powder for convenient storage and reconstitution, the Recombinant Chlamydia trachomatis serovar L2 Major Outer Membrane Porin is an excellent choice for researchers investigating the complex interactions between Chlamydia trachomatis and its host. Trust our high-quality MOMP protein to enhance your research in this important area of microbiology.

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.