

Recombinant Chlamydia trachomatis Large cysteine-rich periplasmic protein OmcB(omcB),partial

Catalog No: #AP76637

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Package Size: #AP76637-1 20ug #AP76637-2 100ug #AP76637-3 1mg

Description

Product Name	Recombinant Chlamydia trachomatis Large cysteine-rich periplasmic protein OmcB(omcB),partial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:41-196aaSequence Info:Partial
Other Names	Large-CRP Alternative name(s): 60KDA cysteine-rich OMP 60KDA outer membrane protein Cysteine-rich outer membrane protein Short name: CRP
Accession No.	P0CC04
Uniprot	P0CC04
GeneID	884223;
Calculated MW	33.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	LADTKAKDNTSHKSKKARKNHSKETPVDRKEVAPVHESKATGPKQDSCFGRMYTVKVNDDRNVEITQAVPEY ATVGSYPYIEITATGKRDCVDVIITQQLPCEAEFVRSDPATTPADGKLVWKIDRLGQGEKSKITVWVKPLKEG CCFTAATVCA
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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 major outer membrane protein. It has been described in publications as the Sarkosyl-insoluble COMC (Chlamydia outer membrane complex), and serves as the functional equivalent of peptidoglycan.

References

"Genome sequence of an obligate intracellular pathogen of humans: Chlamydia trachomatis."Stephens R.S., Kalman S., Lammel C.J., Fan J., Marathe R., Aravind L., Mitchell W.P., Olinger L., Tatusov R.L., Zhao Q., Koonin E.V., Davis R.W.Science 282:754-759(1998).Research Topic:Microbiology

Note: This product is for in vitro research use only