Large Cysteine-Rich Periplasmic Protein Omcb, Serovar E (Omcb), Partial (omcB) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Large cysteine-rich periplasmic protein omcB, serovar E (omcB), partial, Recombinant Protein
Full Product Name	Recombinant Large cysteine-rich periplasmic protein omcB, serovar E (omcB), partial
Product Gene Name	omcB recombinant protein
Product Synonym Gene Name	omcB; omp2; omp2B
Product Synonym Names	Large cysteine-rich periplasmic protein omcB, serovar E; Large-CRP; 60 kDa CRP; 60 kDa outer membrane protein; Cysteine-rich outer membrane protein
Sequence	LADTKAKDNT SHKSKKARKN HSKETLVDRK EVAPVHESKA TGPKQDSCFG RMYTVKVNDD RNVEITQAVP EYATVGSPYP IEITATGKRD CVDVIITQQL PCEAEFVRSD PATTPTADGK LVWKIDRLGQ GEKSKITVWV KPLKEGCCFT AATVCACPEI RSVTKCGQPA ICVKQEGPEN ACLRCPVVYK INVVNQGTAI ARNVVVENPV PDGYAHSSGQ RVLTFTLGDM QPGEHRTITV EFCPLKRGRA TNIATVSYCG GHKNTASVTT VINEPCVQVS IAGADWSYVC KPVEYVISVS NPGDLVLRDV VVEDTLSPGV TVLEAAGAQI SCNKVVWTVK ELNPGESLQY KVLVRAQTPG QFTNNVVVKS CSDCGTCTSC AEATTYWKGV AATHMCVVDT CDPVCVGENT VYRICVTNRG SAEDTNVSLM LKFSKELQPV SFSGPTKGTI TGNTVVFDSL PRLGSKETVE FSVTLKAVSA GDARGEAILS SDTLTVPVSD TENTHIY
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	58,708 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P23603
Species	Chlamydia trachomatis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for omcB recombinant protein	MBS1153492 is a recombinant protein targeting omcB. Also known as Recombinant Large cysteine-rich periplasmic protein omcB, serovar E (omcB), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of omcB recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for omcB. It may not necessarily be applicable to this product.

NCBI GI #	2507219
NCBI Accession #	P23603.2

UniProt Primary Accession #	P23603
NCBI Official Full Name	Large cysteine-rich periplasmic protein OmcB, serovar E
UniProt Protein Name	Large cysteine-rich periplasmic protein OmcB, serovar E
UniProt Synonym Protein Names	60 kDa CRP; 60 kDa outer membrane protein; Cysteine-rich outer membrane protein
Protein Family	C-type polyheme cytochrome
UniProt Gene Name	omcB
UniProt Synonym Gene Names	omp2; omp2B; Large-CRP
UniProt Entry Name	OMCBE_CHLTH
UniProt Comments for omcB	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 ().
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