

OmcB Protein, Chlamydia trachomatis, Recombinant (His & SUMO)

General Information

Synonyms:	Cysteine-rich outer membrane protein (CRP); Large cysteine-rich periplasmic protein OmcB; 60 kDa outer membrane protein; omcB; omp2; omp2B; 60 kDa cysteine-rich OMP; Large-CRP
Protein Construction:	41-196 aa
Species:	Chlamydia trachomatis
Expression Host:	E. coli
Accession:	POCC04
Molecular Weight:	33.1 kDa (predicted)
AA Sequence:	LADTKAKDNTSHKSKKARKNHSKETPVDRKEVAPVHESKATGPKQDSCFGRMYTVKVNDDRNVETQAVPE YATVGSYPYPIEITATGKRDCVDVITQQLPCEAEFVRSDPATPTADGKLVWKIDRLGQGEKSKITVWVKPLKEG CCFTAATVCA

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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