

Major outer membrane porin Recombinant Protein | ompA recombinant protein

Recombinant Chlamydia pneumoniae (Chlamydophila pneumoniae) Major outer membrane porin

CATALOG #
AAA115837

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

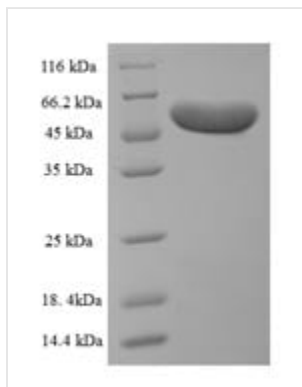
PRODUCT SYNONYMS

Major outer membrane porin; Recombinant Chlamydia pneumoniae (Chlamydophila pneumoniae) Major outer membrane porin; ompA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	24-389aa; Full Length of Mature Protein
Sequence	LPVGNPSDPS LLIDGTIWEG AAGDPCDPCA TWCDASLRA GFYGDYVFDR ILKVDAPKTF SMGAKPTGSA AANYTTAVDR PNPAYNKHLH DAEWFTNAGF IALNIWDRFD VFCTLGASNG YIRGNSTAFN LVGLFGVKGT TVNANELPNV SLSNGVVELY TDTSFWSVG ARGALWECGC ATLGAEFYA QSKPKVEELN VICNVSQFSV NKPKGKYGVA FPLPTDAGVA TATGTKSATI NYHEWQVGAS LSYRLNSLVP YIGVQWSRAT FDADNIRIAQ PKLPTAVLNL TAWNPSLLGN ATALSTTDSF SDFMQIVSCQ INKFKSRKAC GVTVGATLVD ADKWSLTAEA RLINERAAHV SGQFRF
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ompA recombinant protein

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.

References	Nucleotide sequence and taxonomic value of the major outer membrane protein gene of Chlamydia pneumoniae IOL-207.Carter M.W., Al-Mahdawi S.A.H., Giles I.G., Treharne J.D., Ward M.E., Clarke I.N.J. Gen. Microbiol. 137:465-475(1991) Sequence analysis of the major outer membrane protein gene of Chlamydia pneumoniae.Perez Melgosa M., Kuo C.-C., Campbell L.A.Infect. Immun. 59:2195-2199(1991) Multiple sclerosis associated with Chlamydia pneumoniae infection of the CNS.Sriram S., Mitchell W., Stratton C.Neurology 50:571-572(1998) Comparative genomes of Chlamydia pneumoniae and C. trachomatis.Kalman S., Mitchell W.P., Marathe R., Lammel C.J., Fan J., Hyman R.W., Olinger L., Grimwood J., Davis R.W., Stephens R.S.Nat. Genet. 21:385-389(1999) Genome sequences of Chlamydia trachomatis MoPn and Chlamydia pneumoniae AR39.Read T.D., Brunham R.C., Shen C., Gill S.R., Heidelberg J.F., White O., Hickey E.K., Peterson J.D., Utterback T.R., Berry K.J., Bass S., Linher K.D., Weidman J.F., Khouri H.M., Craven B., Bowman C., Dodson R.J., Gwinn M.L., Nelson W.C., DeBoy R.T., Kolonay J.F., McClarty G., Salzberg S.L., Eisen J.A., Fraser C.M.Nucleic Acids Res. 28:1397-1406(2000) Comparison of whole genome sequences of Chlamydia pneumoniae J138 from Japan and CwL029 from USA.Shirai M., Hirakawa H., Kimoto M., Tabuchi M., Kishi F., Ouchi K., Shiba T., Ishii K., Hattori M., Kuhara S., Nakazawa T.Nucleic Acids Res. 28:2311-2314(2000) Comparison of outer membrane protein genes omp and pmp in the whole genome sequences of Chlamydia pneumoniae isolates from Japan and the United States.Shirai M., Hirakawa H., Ouchi K., Tabuchi M., Kishi F., Kimoto M., Takeuchi H., Nishida J., Shibata K., Fujinaga R., Yoneda H., Matsushima H., Tanaka C., Furukawa S., Miura K., Nakazawa A., Ishii K., Shiba T., Hattori M., Kuhara S., Nakazawa T.J. Infect. Dis. 181 Suppl. 3:S524-S527(2000) The genome sequence of Chlamydia pneumoniae TW183 and comparison with other Chlamydia strains based on whole genome sequence analysis.Geng M.M., Schuhmacher A., Muehldorfer I., Bensch K.W., Schaefer K.P., Schneider S., Pohl T., Essig A., Marre R., Melchers K. Similarity of Chlamydia pneumoniae strains in the variable domain IV region of the major outer membrane protein gene.Gaydos C.A., Quinn T.C., Bobo L.D., Eiden J.J.Infect. Immun. 60:5319-5323(1992)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15618605
NCBI GeneID	895370
NCBI Accession #	NP_224891.1
NCBI GenBank Nucleotide #	NC_000922.1
UniProt Accession #	P27455; Q6LDD2; Q9JQF6
Molecular Weight	55.3 kDa
NCBI Official Full Name	major outer membrane proin
NCBI Official Symbol	ompA
NCBI Protein Information	major outer membrane proin
UniProt Protein Name	Major outer membrane porin
UniProt Gene Name	ompA
UniProt Synonym Gene Names	omp1; MOMP
UniProt Entry Name	MOMP_CHLPN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.