

Outer membrane protein C Recombinant Protein | ompC recombinant protein

Recombinant Escherichia coli (strain K12) Outer membrane protein C

CATALOG #
AAA18709

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

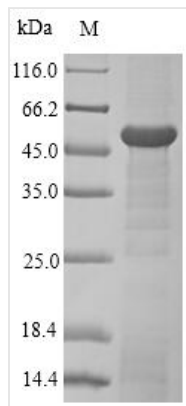
PRODUCT SYNONYMS

Outer membrane protein C; Recombinant Escherichia coli (strain K12) Outer membrane protein C; Outer membrane protein 1B; Porin OmpC; ompC 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	22-367aa; Full Length of Mature Protein
Sequence	AEVYNKDG NK LDLYGKVDGL HYFSDNKDVD GDQTYMRLGF KGETQVTDQL TGYGQWEYQI QGNSAENENN SWTRVAFAGL KFQDVGSFDY GRNYGVVYDV TSWTDVLPEF GGDYTGSDNF MQQRGNGFAT YRNTDFFGLV DGLNFAVQYQ GKNGNPSGEG FTSGVTNNGR DALRQNGDGV GGSITYDYEG FGIGGAISSS KRTDAQNTAA YINGDRAET YTGGLKYDAN NIYLAAQYTQ TYNATRVGSL GWANKAQNFE AVAQYQFDFG LRPSLAYLQS KGKNLGRGYD DEDILKYVDV GATYYFNKNM STYVDYKINL LDDNQFTRDA GINTDNIVAL GLVYQF
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 ompC recombinant protein

Forms pores that allow passive diffusion of small molecules across the outer membrane.

References	A comparative study on the genes for three porins of the Escherichia coli outer membrane. DNA sequence of the osmoregulated ompC gene. Mizuno T., Chou M.-Y., Inouye M.J. Biol. Chem. 258:6932-6940(1983) A 460-kb DNA sequence of the Escherichia coli K-12 genome corresponding to the 40.1-50.0 min region on the linkage map. Itoh T., Aiba H., Baba T., Fujita K., Hayashi K., Inada T., Isono K., Kasai H., Kimura S., Kitakawa M., Kitagawa M., Makino K., Miki T., Mizobuchi K., Mori H., Mori T., Motomura K., Nakade S., Nakamura Y., Nashimoto H., Nishio Y., Oshima T., Saito N., Sampei G., Seki Y., Sivasundaram S., Tagami H., Takeda J., Takemoto K., Wada C., Yamamoto Y., Horiuchi T. DNA Res. 3:379-392(1996) The complete genome sequence of Escherichia coli K-12. Blattner F.R., Plunkett G. III, Bloch C.A., Perna N.T., Burland V., Riley M., Collado-Vides J., Glasner J.D., Rode C.K., Mayhew G.F., Gregor J., Davis N.W., Kirkpatrick H.A., Goeden M.A., Rose D.J., Mau B., Shao Y. Science 277:1453-1462(1997) Highly accurate genome sequences of Escherichia coli K-12 strains MG1655 and W3110. Hayashi K., Morooka N., Yamamoto Y., Fujita K., Isono K., Choi S., Ohtsubo E., Baba T., Wanner B.L., Mori H., Horiuchi T. Mol. Syst. Biol. 2:E1-E5(2006) Automated multiplex sequencing of the E. coli genome. Richterich P., Lakey N., Gryan G., Jaehn L., Mintz L., Robison K., Church G.M. DNA sequence of the promoter region of the ompC gene and the amino acid sequence of the signal peptide of pro-OmpC protein of Escherichia coli. Mizuno T., Chou M.-Y., Inouye M. FEBS Lett. 151:159-164(1983) Construction of a series of ompF-ompC chimeric genes by in vivo homologous recombination in Escherichia coli and characterization of the translational products. Nogami T., Mizuno T., Mizushima S.J. Bacteriol. 164:797-801(1985) Comparing the predicted and observed properties of proteins encoded in the genome of Escherichia coli K-12. Link A.J., Robison K., Church G.M. Electrophoresis 18:1259-1313(1997) Extraction of membrane proteins by differential solubilization for separation using two-dimensional gel electrophoresis. Molloy M.P., Herbert B.R., Walsh B.J., Tyler M.I., Traini M., Sanchez J.-C., Hochstrasser D.F., Williams K.L., Gooley A.A. Electrophoresis 19:837-844(1998) Escherichia coli proteome analysis using the gene-protein database. VanBogelen R.A., Abshire K.Z., Moldover B., Olson E.R., Neidhardt F.C. Electrophoresis 18:1243-1251(1997) Crystal structure of osmoporin OmpC from E. coli at 2.0 Å. Basle A., Rummel G., Storici P., Rosenbusch J.P., Schirmer T.J. Mol. Biol. 362:933-942(2006) Crystal structure of the membrane protein OmpC complex with antibacterial lactoferrin. Baalaji S., Acharya R.K., Singh T.P., Krishnaswamy S. Submitted (SEP-2006) to the PDB data bank
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16130152
NCBI GeneID	946716
NCBI Accession #	NP_416719.1
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P06996
Molecular Weight	54.3 kDa
NCBI Official Full Name	outer membrane porin protein C
NCBI Official Symbol	ompC
NCBI Official Synonym Symbols	butR; ECK2207; JW2203; meoA; par
NCBI Protein Information	outer membrane porin protein C
UniProt Protein Name	Outer membrane protein C
UniProt Gene Name	ompC
UniProt Synonym Gene Names	meoA; par
UniProt Entry Name	OMP_C_ECOLI

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

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