Penicillin-Binding Protein Activator Lpoa (lpoA) Escherichia Coli O6 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Penicillin-binding protein activator LpoA (lpoA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O6 Penicillin-binding protein activator LpoA (lpoA)
Product Gene Name	lpoA recombinant protein
Product Synonym Gene Name	lpoA
Sequence	CGTHTPDQST AYMQGTAQAD SAFYLQQMQQ SSDDTRINWQ LLAIRALVKE GKTGQAVELF NQLPQELNDT QRREKTLLAA EIKLAQKDFA GAQNLLAKIT PADLEQNQQA RYWQAKIDAS QGRPSIDLLR ALIAQEPLLG AKEKQQNIDA TWQALSSMTQ EQANTLVINA DENILQGWLD LQRVWFDNRN DPDMMKAGIA DWQKRYPNNP GAKMLPTQLV NVKAFKPAST NKIALLLPLN GQAAVFGRTI QQGFEAAKNI GTQPVVAQVA AAPAADVAEQ PQPQTVDGVA SPAQASVSDL TGEQPAAQSV PVSAPATSTA AVSAPANPSA ELKIYDTSSQ PLSQILSQVQ QDGASIVVGP LLKNNVEELL KSNTPLNVLA LNQPENIENR VNICYFALSP EDEARDAARH IRDQGKQAPL VLIPRSSLGD RVANAFAQEW QKLGGGTVLQ QKFGSTSELR AGVNGGSGIA LTGSPITPRE TTDSGMTTNN PTLQTTPTDD QFTNNGGRVD AVYIVATPGE IAFIKPMIAM RNGSQSGATL YASSRSAQGT AGPDFRLEME GLQYSEIPML AGGNLPLMQQ ALSAVNNDYS LARMYAMGVD AWSLANHFSQ MRQVQGFEIN GNTGSLTANP DCVINRKLSW LQYQQGQVVP AS
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	72,873 Da
Sequence Positions	27-678, Full length protein
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 Q8FDA1
Species	Escherichia coli O6
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lpoA recombinant protein	MBS1437352 is a recombinant protein targeting lpoA. Also known as Recombinant Escherichia coli O6 Penicillin-binding protein activator LpoA (lpoA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lpoA 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 lpoA. It may not necessarily be applicable to this product.

NCBI GI #	446171316
NCBI Accession #	WP_000249171.1

UniProt Primary Accession #	Q8FDA1
GenBank Nucleotide #	WP_000249171.1
NCBI Official Full Name	penicillin-binding protein activator
UniProt Protein Name	Penicillin-binding protein activator LpoA
Protein Family	Ligninase
UniProt Gene Name	lpoA
UniProt Synonym Gene Names	PBP activator LpoA
UniProt Comments for lpoA	Regulator of peptidoglycan synthesis that is essential for the function of penicillin-binding protein 1A (PBP1a).
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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