Lipopolysaccharide Core Heptose (II)-Phosphate Phosphatase (ais) Escherichia Coli O157:h7 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lipopolysaccharide core heptose (II)-phosphate phosphatase (ais), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O157:H7 Lipopolysaccharide core heptose (II)-phosphate phosphatase (ais)
Product Gene Name	ais recombinant protein
Product Synonym Gene Name	ais
Sequence	GLGTHAAWSS NGLPRIDNKT LGRLAQQHPV VVLFRHAERC DRSTNQCLSD KTGITVKGTQ DARELGNAFS ADIPDFDLYS SNTVRTIQSA TWFSAGKKLT VDKRLLQCGN EIYSAIKDLQ SKAPDKNIVI FTHNHCLTYI AKDKRDATFK PDYLDGLVMH VEKGKVYLDG EFVNH
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	22,277 Da
Sequence Positions	26-200, 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 Q8XDZ8
Species	Escherichia coli O157:H7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ais recombinant protein	MBS1465953 is a recombinant protein targeting ais. Also known as Recombinant Escherichia coli O157:H7 Lipopolysaccharide core heptose (II)-phosphate phosphatase (ais). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ais 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 ais. It may not necessarily be applicable to this product.

NCBI GI #	15832394
NCBI GeneID	916848
NCBI Accession #	NP_311167.1
UniProt Primary Accession #	Q8XDZ8

UniProt Secondary Accession #	Q7AC25
GenBank Nucleotide #	NC_002695.1
NCBI Official Full Name	aluminum-inducible protein
NCBI Official Symbol	ECs3140
UniProt Protein Name	Lipopolysaccharide core heptose(II)-phosphate phosphatase
Protein Family	Aconitate isomerase
UniProt Gene Name	ais
NCBI Protein Information	aluminum-inducible protein
UniProt Comments for ais	Catalyzes the dephosphorylation of heptose(II) of the outer membrane lipopolysaccharide core.
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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