High-Affinity Heme Uptake System Protein Isde (isdE) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	High-affinity heme uptake system protein isdE (isdE), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus High-affinity heme uptake system protein isdE (isdE)
Product Gene Name	isdE recombinant protein
Product Synonym Gene Name	isdE
Sequence	CQSSSSQEST KSGEFRIVPT TVALTMTLDK LDLPIVGKPT SYKTLPNRYK DVPEIGQPME PNVEAVKKLK PTHVLSVSTI KDEMQPFYKQ LNMKGYFYDF DSLKGMQKSI TQLGDQFNRK AQAKELNDHL NSVKQKIENK AAKQKKHPKV LILMGVPGSY LVATDKSYIG DLVKIAGGEN VIKVKDRQYI SSNTENLLNI NPDIILRLPH GMPEEVKKMF QKEFKQNDIW KHFKAVKNNH VYDLEEVPFG ITANVDADKA MTQLYDLFYK DKK
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	33,271 Da
Sequence Positions	20-292, 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 Q7A150
Species	Staphylococcus aureus (strain MW2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for isdE recombinant protein	MBS1448071 is a recombinant protein targeting isdE. Also known as Recombinant Staphylococcus aureus High-affinity heme uptake system protein isdE (isdE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of isdE 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 isdE. It may not necessarily be applicable to this product.

NCBI GI #	447142943
NCBI Accession #	WP_001220199.1
UniProt Primary Accession #	Q7A150
GenBank Nucleotide #	WP_001220199.1

NCBI Official Full Name	MULTISPECIES: heme uptake system protein IsdE
UniProt Protein Name	High-affinity heme uptake system protein IsdE
UniProt Synonym Protein Names	Iron-regulated surface determinant protein E; Staphylococcal iron-regulated protein F
Protein Family	High-affinity heme uptake system protein
UniProt Gene Name	isdE
UniProt Synonym Gene Names	sirF
UniProt Comments for isdE	Involved in heme (porphyrin) scavenging. Binds Fe2+ and Fe3+ heme but the largest fraction is Fe2+ heme. Functions as a high-affinity heme binding protein and probably has a role in relaying heme-iron from cell wall-anchored isd proteins receptors to the putative probable IsdF ().
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