Twin-Arginine Leader-Binding Protein Dmsd (dmsD) Salmonella Typhi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Twin-arginine leader-binding protein DmsD (dmsD), Recombinant Protein
Full Product Name	Recombinant Salmonella typhi Twin-arginine leader-binding protein DmsD (dmsD)
Product Gene Name	dmsD recombinant protein
Product Synonym Gene Name	dmsD
Sequence	MTTFLQRDDF AVTARVLGAL FYYSPESHET APLVQALLND DWQAQWPLDA EALAPVAAMF KTHSEESLPQ AWQRLFIGPY ALPSPPWGSV WLDRESVLFG DSTLALRQWM RENGIQFEMQ QNEPEDHFGA LLLLAAWLAE NGRHHECEQL LAWHLFPWSP RFLDVFIDHA GHPFYQALGQ LARLTLAQWQ AQLIIPVAVK PLFR
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	23,417 Da
Sequence Positions	1-204, 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 Q8Z6Y5
Species	Salmonella typhi
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dmsD recombinant protein	MBS1281623 is a recombinant protein targeting dmsD. Also known as Recombinant Salmonella typhi Twin-arginine leader-binding protein DmsD (dmsD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dmsD 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 dmsD. It may not necessarily be applicable to this product.

NCBI GI #	16760367
NCBI GeneID	1247947
NCBI Accession #	NP_455984.1
UniProt Primary Accession #	Q8Z6Y5
UniProt Secondary Accession #	Q7C9V2

GenBank Nucleotide #	NC_003198.1
NCBI Official Full Name	twin-argninine leader-binding protein DmsD
NCBI Official Symbol	STY1569
UniProt Protein Name	Tat proofreading chaperone DmsD
UniProt Synonym Protein Names	DMSO reductase maturation protein
Protein Family	Probable Tat proofreading chaperone
UniProt Gene Name	dmsD
NCBI Protein Information	twin-argninine leader-binding protein DmsD
UniProt Comments for dmsD	Required for biogenesis/assembly of DMSO reductase, but not for the interaction of the DmsA signal peptide with the Tat system. May be part of a chaperone cascade complex that facilitates a folding-maturation pathway for the substrate protein.
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