Homoserine O-Succinyltransferase (metA) Salmonella Choleraesuis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Homoserine O-succinyltransferase (metA), Recombinant Protein
Full Product Name	Recombinant Salmonella choleraesuis Homoserine O-succinyltransferase (metA)
Product Gene Name	metA recombinant protein
Product Synonym Gene Name	metA
Sequence	MPIRVLDELP AVNFLREENV FVMTTSRASG QEIRPLKVLI LNLMPKKIET ENQFLRLLSN SPLQVDIQLL RIDARESRNT PAEHLNNFYC NFDDICDQNF DGLIVTGAPL GLVEFNDVAY WPQIRQVLEW AKDHVTSTLF VCWAVQAALN ILYGIPKQTR TDKLSGVYEH HILHPHALLT RGFDDSFLAP HSRYADFPAA LIRDYTDLEI LAETEEGDAY LFASKDKRIA FVTGHPEYDA HTLAGEYFRD VEAGLNPEVP YNYFPKNDPQ NIPRATWRSH GNLLFTNWLN YYVYQITPYD LRHMNPTLD
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	35,670 Da
Sequence Positions	1-309, 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 Q57H45
Species	Salmonella choleraesuis (strain SC-B67)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for metA recombinant protein	MBS1458716 is a recombinant protein targeting metA. Also known as Recombinant Salmonella choleraesuis Homoserine O-succinyltransferase (metA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of metA 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 metA. It may not necessarily be applicable to this product.

NCBI GI #	447045511
NCBI GeneID	1255708
NCBI Accession #	WP_001122767.1
UniProt Primary Accession #	Q57H45
UniProt Related Accession #	P37413

GenBank Nucleotide #	WP_001122767.1
NCBI Official Full Name	homoserine O-succinyltransferase
NCBI Official Symbol	metA
UniProt Protein Name	Homoserine O-succinyltransferase
UniProt Synonym Protein Names	Homoserine transsuccinylase
Protein Family	Homoserine O-succinyltransferase
UniProt Gene Name	metAS
UniProt Synonym Gene Names	HST; HTS
NCBI Protein Information	homoserine O-succinyltransferase
UniProt Comments for metA	Transfers a succinyl group from succinyl-CoA to L-homoserine, forming succinyl-L-homoserine.
Research Articles on metA	**1.** The instability of MetA protein may provide a metabolic fuse that blocks growth under conditions that denature proteins; the sensitivity of this fuse is modulated by polyphosphate.
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