Tryptophan Synthase Alpha Chain (trpA) Methanopyrus Kandleri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tryptophan synthase alpha chain (trpA), Recombinant Protein
Full Product Name	Recombinant Methanopyrus kandleri Tryptophan synthase alpha chain (trpA)
Product Gene Name	trpA recombinant protein
Product Synonym Gene Name	trpA
Sequence	MSGLVLERIF EEAEGEGRGA LIGYLTCGHP GLEETVSLAR ALRDGGVDIL ELGVPFSEPI ADGPTIQKAV DEALRAGTTP WDCLEVAEEV SEFVPVVLLC YYNTLHANGF ERYLSAAAEA GVSGIIVADM PVEESDEVHS VARDLEIDVI YLVAPSTTDE RLKKIGERAS GFVYVISRYG VTGARRDLSE DTLELVRWVR DHVDVPVAVG FGISERWHVE EVIAAGADGA IVGSAFIKEI HRSEDIAEAE ERVRELAKEL VEGARDGYRR RSSSE
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	29,942 Da
Sequence Positions	1-275, 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 Q8TYA2
Species	Methanopyrus kandleri (strain AV19 / DSM 6324 / JCM 9639 / NBRC 100938)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trpA recombinant protein	MBS1280049 is a recombinant protein targeting trpA. Also known as Recombinant Methanopyrus kandleri Tryptophan synthase alpha chain (trpA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of trpA 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 trpA. It may not necessarily be applicable to this product.

NCBI GI #	28380194
NCBI Accession #	Q8TYA2.1
UniProt Primary Accession #	Q8TYA2
NCBI Official Full Name	Tryptophan synthase alpha chain
UniProt Protein Name	Tryptophan synthase alpha chain

Protein Family	Tryptophan synthase
UniProt Gene Name	trpA
UniProt Comments for trpA	The alpha subunit is responsible for the aldol cleavage of indoleglycerol phosphate to indole and glyceraldehyde 3-phosphate.
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