Sulfurtransferase Tusd (tusD) Shigella Flexneri Serotype 5b Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sulfurtransferase TusD (tusD), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri serotype 5b Sulfurtransferase TusD (tusD)
Product Gene Name	tusD recombinant protein
Product Synonym Gene Name	tusD
Sequence	MRFAIVVTGP AYGTQQASSA FQFAQALIAE GHKLSSVFFY REGVYNANQL TSPASDEFDL VRGWQQLNAQ HGVALNICVA AALRRGIVDE TEAGRLGLAS SNLQPGFTLS GLGALAEASL TCDRVVQF
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	13,623 Da
Sequence Positions	1-128, 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 Q0SZX2
Species	Shigella flexneri serotype 5b (strain 8401)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tusD recombinant protein	MBS1316775 is a recombinant protein targeting tusD. Also known as Recombinant Shigella flexneri serotype 5b Sulfurtransferase TusD (tusD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tusD 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 tusD. It may not necessarily be applicable to this product.

NCBI GI #	447132450
NCBI Accession #	WP_001209706.1
UniProt Primary Accession #	Q0SZX2
GenBank Nucleotide #	WP_001209706.1
NCBI Official Full Name	MULTISPECIES: sulfurtransferase TusD
UniProt Protein Name	Sulfurtransferase TusD

UniProt Synonym Protein Names	tRNA 2-thiouridine synthesizing protein D
Protein Family	Sulfurtransferase
UniProt Gene Name	tusD
UniProt Comments for tusD	Part of a sulfur-relay system required for 2-thiolation of 5-methylaminomethyl-2-thiouridine (mnm5s2U) at tRNA wobble positions. Accepts sulfur from TusA and transfers it in turn to TusE.
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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