Probable Trna-Dihydrouridine Synthase (dus) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable tRNA-dihydrouridine synthase (dus), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Probable tRNA-dihydrouridine synthase (dus)
Product Gene Name	dus recombinant protein
Product Synonym Gene Name	dus
Sequence	MKENFWSELP RPFFILAPME DVTDIVFRHV VSEAARPDVF FTEFTNTESF CHPEGIHSVR GRLTFSEDEQ PMVAHIWGDK PEQFRETSIQ LAKMGFKGID LNMGCPVANV AKKGKGSGLI LRPDVAAEII QATKAGGLPV SVKTRLGYYE IDEWKDWLKH VFEQDIANLS IHLRTRKEMS KVDAHWELIE AIKNLRDEIA PNTLLTINGD IPDRKTGLEL AEKYGIDGVM IGRGIFHNPF AFEKEPREHT SKELLDLLRL HLSLFNKYEK DEIRQFKSLR RFFKIYVRGI RGASELRHQL MNTQSIAEAR ALLDEFEAQM DEDVKIEL
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	37,767 Da
Sequence Positions	1-328, 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 Q5HJT5
Species	Staphylococcus aureus (strain COL)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dus recombinant protein	MBS1356711 is a recombinant protein targeting dus. Also known as Recombinant Staphylococcus aureus Probable tRNA-dihydrouridine synthase (dus). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dus 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 dus. It may not necessarily be applicable to this product.

NCBI GI #	84028932
NCBI Accession #	Q5HJT5.2
UniProt Primary Accession #	Q5HJT5
NCBI Official Full Name	Probable tRNA-dihydrouridine synthase

UniProt Protein Name	Probable tRNA-dihydrouridine synthase
Protein Family	Probable tRNA-dihydrouridine synthase
UniProt Gene Name	dus
UniProt Comments for dus	Catalyzes the synthesis of 5,6-dihydrouridine (D), a modified base found in the D-loop of most tRNAs, via the reduction of the C5-C6 double bond in target uridines.
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