6,7-Dimethyl-8-Ribityllumazine Synthase 1 (ribH1) Rhizobium Meliloti Recombinant Protein

PRODUCT OVERVIEW

Product Name	6,7-dimethyl-8-ribityllumazine synthase 1 (ribH1), Recombinant Protein
Full Product Name	Recombinant Rhizobium meliloti 6,7-dimethyl-8-ribityllumazine synthase 1 (ribH1)
Product Gene Name	ribH1 recombinant protein
Product Synonym Gene Name	ribH1
Sequence	MAKIKPVHIL IVEARFYDDM ADAMLDGAKH ALDAAGATYD IVTVPGALEI PAAIAMALDG ADEGGAEYDG FVALGMVIRG ETYHFDIVAN ESARALMDLA VSESLALGNG ILTVENDEQA WARARRTEGD KGGFAARAAL TMIELKQRLG AEK
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	16,193 Da
Sequence Positions	1-153, Full length
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 Q92QU0
Species	Rhizobium meliloti (strain 1021) (Ensifer meliloti) (Sinorhizobium meliloti)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ribH1 recombinant protein	MBS1342606 is a recombinant protein targeting ribH1. Also known as Recombinant Rhizobium meliloti 6,7-dimethyl-8-ribityllumazine synthase 1 (ribH1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ribH1 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 ribH1. It may not necessarily be applicable to this product.

NCBI GI #	15964968
NCBI GeneID	1232859
NCBI Accession #	NP_385321.1
UniProt Primary Accession #	Q92QU0
UniProt Related Accession #	Q92QU0
GenBank Nucleotide #	NC_003047.1

NCBI Official Full Name	6,7-dimethyl-8-ribityllumazine synthase
NCBI Official Symbol	ribH
UniProt Protein Name	6,7-dimethyl-8-ribityllumazine synthase 1
Protein Family	6,7-dimethyl-8-ribityllumazine synthase
UniProt Gene Name	ribH1
UniProt Synonym Gene Names	DMRL synthase 1; LS 1; Lumazine synthase 1
NCBI Protein Information	6,7-dimethyl-8-ribityllumazine synthase
UniProt Comments for ribH1	Catalyzes the formation of 6,7-dimethyl-8-ribityllumazine by condensation of 5-amino-6-(D-ribitylamino)uracil with 3,4-dihydroxy-2-butanone 4-phosphate. This is the penultimate step in the biosynthesis of riboflavin.
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