Fibrillarin-Like Rrna/Trna 2'-O-Methyltransferase (flpA) Methanospirillum Hungatei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Fibrillarin-like rRNA/tRNA 2'-O-methyltransferase (flpA), Recombinant Protein
Full Product Name	Recombinant Methanospirillum hungatei Fibrillarin-like rRNA/tRNA 2'-O-methyltransferase (flpA)
Product Gene Name	flpA recombinant protein
Product Synonym Gene Name	flpA
Sequence	MIWQDGKLLS PGAVLPGDRV YHGMRIWDPG HSKVAALCHI HGEPPVRNAR ILYLGAAAGS TVSFLSDYAE VVYAVEFSPR PVRSLIRLAR ARKNIIPLFE DARYPERYLP FVEPVDLLIQ DIAQRDQAEI ALRNLIFLKQ GGHLILFLKL LSMGTDKKRE DRIVEVVNLL EHGGITDPAV LDLDRYHTGH TAVWGIYSLS KNFEK
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	23,118 Da
Sequence Positions	1-205, 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 Q2FRP5
Species	Methanospirillum hungatei (strain JF-1 / DSM 864)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for flpA recombinant protein	MBS1475602 is a recombinant protein targeting flpA. Also known as Recombinant Methanospirillum hungatei Fibrillarin-like rRNA/tRNA 2'-O-methyltransferase (flpA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of flpA 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 flpA. It may not necessarily be applicable to this product.

NCBI GI #	121696398
NCBI Accession #	Q2FRP5.1
UniProt Primary Accession #	Q2FRP5
NCBI Official Full Name	Fibrillarin-like rRNA/tRNA 2'-O-methyltransferase
UniProt Protein Name	Fibrillarin-like rRNA/tRNA 2'-O-methyltransferase

Protein Family	Fibrillarin-like rRNA/tRNA 2'-O-methyltransferase
UniProt Gene Name	flpA
UniProt Comments for flpA	Involved in pre-rRNA and tRNA processing. Utilizes the methyl donor S-adenosyl-L-methionine to catalyze the site-specific 2'-hydroxyl methylation of ribose moieties in rRNA and tRNA. Site specificity is provided by a guide RNA that base pairs with the substrate. Methylation occurs at a characteristic distance from the sequence involved in base pairing with the guide RNA.
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