Trna (Cytosine (34)-C (5))-Methyltransferase (nsun2) Xenopus Tropicalis Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA (cytosine (34)-C (5))-methyltransferase (nsun2), Recombinant Protein
Full Product Name	Recombinant Xenopus tropicalis tRNA (cytosine (34)-C (5))-methyltransferase (nsun2), partial
Product Gene Name	nsun2 recombinant protein
Product Synonym Gene Name	nsun2
Sequence	QFLVNETESG NISRQEAVSM IPPVLLKVQP HHKILDMCAA PGSKTAQIIE MLHADMNVPF PEGFVIANDV DNKRCYLLVH QAKRLNSPCI MVVNHDASSI PRLLVENNGS REVLYYDRIL CDVPCSGDGT LRKNIDVWKK WTTLNSLQLH GLQIRIATRG VEQLAEGGRM VY
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	91,020 Da
Sequence Positions	149-320, Partial
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 Q28E61
Species	Xenopus tropicalis (Western clawed frog) (Silurana tropicalis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nsun2 recombinant protein	MBS1417961 is a recombinant protein targeting nsun2. Also known as Recombinant Xenopus tropicalis tRNA (cytosine (34)-C (5))-methyltransferase (nsun2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nsun2 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 nsun2. It may not necessarily be applicable to this product.

NCBI GI #	62857697
NCBI GeneID	548716
NCBI Accession #	NP_001015962.1
UniProt Primary Accession #	Q28E61
UniProt Related Accession #	Q28E61

GenBank Nucleotide #	NM_001015962.2
NCBI Official Full Name	tRNA (cytosine(34)-C(5))-methyltransferase
NCBI Official Synonym Full Names	NOP2/Sun RNA methyltransferase family member 2
NCBI Official Symbol	nsun2
UniProt Protein Name	tRNA (cytosine(34)-C(5))-methyltransferase
UniProt Synonym Protein Names	NOL1/NOP2/Sun domain family member 2
Protein Family	tRNA
UniProt Gene Name	nsun2
NCBI Protein Information	tRNA (cytosine(34)-C(5))-methyltransferase
UniProt Comments for nsun2	RNA methyltransferase that methylates tRNAs, and possibly RNA polymerase III transcripts. Methylates cytosine to 5-methylcytosine (m5C) at positions 34 and 48 of intron-containing tRNA(Leu)(CAA) precursors, and at positions 48, 49 and 50 of tRNA(Gly)(GCC) precursors ().
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