Cytoplasmic Trna 2-Thiolation Protein 2 (GA10142) Drosophila Pseudoobscura Pseudoobscura Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytoplasmic tRNA 2-thiolation protein 2 (GA10142), Recombinant Protein
Full Product Name	Recombinant Drosophila pseudoobscura pseudoobscura Cytoplasmic tRNA 2-thiolation protein 2 (GA10142)
Product Gene Name	GA10142 recombinant protein
Product Synonym Gene Name	GA10142
Sequence	MCSIGEDDFG DEGATHAMVA ESLPTGIVIS PGDCNKCGVV SSELYKLNFR VAECRDCFLN HARHKFRASL GAAKVLPRNA EVLLAVDGSA ESLVLLDMLH FAQTQNTFRR LHCNARVVYI DDQSVHGGES MNLQALQALG TRYEPLEFYV VELGASACSL QRLGQYSTSL KEPNGLNTKL EKLRSLTARQ DYHQQQRKNL LASVAQKLSC SHVFEPSVSG DLAAQLLTSI TLGRGGSAAL DVALLDDRLA AGVKLLRPLR DLNEQEVRFY VHACQLKPLR ESGSSYGQER GQTASLQNLT AAFVGNLQQN YPATVSTVFR TGDKIAANAH MEQASCAQCQ SPLDAKLSDT LLANEYSRAV SEAGVGLSKD GDASESLAKQ RLEFKDGLCH ACRCIQLELG YDTLS
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	43,960 Da
Sequence Positions	1-405, 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 Q29K59
Species	Drosophila pseudoobscura pseudoobscura (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GA10142 recombinant protein	MBS1331920 is a recombinant protein targeting GA10142. Also known as Recombinant Drosophila pseudoobscura pseudoobscura Cytoplasmic tRNA 2-thiolation protein 2 (GA10142). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GA10142 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 GA10142. It may not necessarily be applicable to this product.

NCBI GI #	198473330
NCBI GeneID	4816297

NCBI Accession #	XP_001356256.2
UniProt Primary Accession #	Q29K59
UniProt Related Accession #	Q29K59
GenBank Nucleotide #	XM_001356220.3
NCBI Official Full Name	uncharacterized protein Dpse_GA10142
NCBI Official Symbol	DpseGA10142
NCBI Official Synonym Symbols	dpse_GLEANR_9535; GA10142
UniProt Protein Name	Cytoplasmic tRNA 2-thiolation protein 2
UniProt Gene Name	GA10142
NCBI Protein Information	GA10142 gene product from transcript GA10142-RA
UniProt Comments for GA10142	Plays a central role in 2-thiolation of mcm5S2U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Gln). May act by forming a heterodimer with NCS6/CTU1 that ligates sulfur from thiocarboxylated URM1 onto the uridine of tRNAs at wobble position.
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