Anamorsin Homolog (AGAP008883) Anopheles Gambiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Anamorsin homolog (AGAP008883), Recombinant Protein
Full Product Name	Recombinant Anopheles gambiae Anamorsin homolog (AGAP008883)
Product Gene Name	AGAP008883 recombinant protein
Product Synonym Gene Name	AGAP008883
Sequence	MNFVQENNHV LYLWAGTVGP EIEQEVNAIK TIPNVQVNVE NVERLQLAEY GKSQFDVILA QVATGNSTLV TLLVKLLKPK GKCVFRDDSA ASIEQARSNL LLAGFINIVA SDSNVYVAEK PDYEVGSKSK LSFAKKSNVA AVWKLDDNEE EERIDDEELL DEDDKAKPTE ESLRVCGTTG KRKACKDCSC GLAEELDAEA KGKALTDTSA AKSSCGSCYL GDAFRCATCP YLGMPAFKPG EKIVLTDTQM QADI
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	27,654 Da
Sequence Positions	1-254, 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 Q7PWQ6
Species	Anopheles gambiae (African malaria mosquito)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for AGAP008883 recombinant protein	MBS1385739 is a recombinant protein targeting AGAP008883. Also known as Recombinant Anopheles gambiae Anamorsin homolog (AGAP008883). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of AGAP008883 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 AGAP008883. It may not necessarily be applicable to this product.

NCBI GI #	58392791
NCBI GeneID	1279851
NCBI Accession #	XP_319630.2
UniProt Primary Accession #	Q7PWQ6
GenBank Nucleotide #	XM_319630.3

NCBI Official Full Name	AGAP008883-PA
NCBI Official Symbol	DRE2_ANOGA
UniProt Protein Name	Anamorsin homolog
UniProt Synonym Protein Names	Fe-S cluster assembly protein DRE2 homolog
UniProt Gene Name	AGAP008883
NCBI Protein Information	AGAP008883-PA
UniProt Comments for AGAP008883	Component of the cytosolic iron-sulfur (Fe-S) protein assembly (CIA) machinery. Required for the maturation of extramitochondrial Fe-S proteins. Part of an electron transfer chain functioning in an early step of cytosolic Fe-S biogenesis, facilitating the de novo assembly of a [4Fe-4S] cluster on the cytosolic Fe-S scaffold complex. Electrons are transferred from NADPH via a FAD- and FMN-containing diflavin oxidoreductase. Together with the diflavin oxidoreductase, also required for the assembly of the diferric tyrosyl radical cofactor of ribonucleotide reductase (RNR), probably by providing electrons for reduction during radical cofactor maturation in the catalytic small subunit.
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