Ubiquitin-Related Modifier 1 Homolog (GL24132) Drosophila Persimilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ubiquitin-related modifier 1 homolog (GL24132), Recombinant Protein
Full Product Name	Recombinant Drosophila persimilis Ubiquitin-related modifier 1 homolog (GL24132)
Product Gene Name	GL24132 recombinant protein
Sequence	MDDLKIILEF SAGAELLFGN IKRRQLFLDG HKKWTIANLL KWMHANILTE RPELFLQGDT VRPGILVLIN DTDWELLGEL DYELQANDNV LFISTLHGG
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	11,347 Da
Sequence Positions	1-99, 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 B4GUT1
Species	Drosophila persimilis (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GL24132 recombinant protein	MBS1252531 is a recombinant protein targeting GL24132. Also known as Recombinant Drosophila persimilis Ubiquitin-related modifier 1 homolog (GL24132). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GL24132 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 GL24132. It may not necessarily be applicable to this product.

NCBI GI #	195163038
NCBI GeneID	6597155
NCBI Accession #	XP_002022360.1
UniProt Primary Accession #	B4GUT1
UniProt Related Accession #	B4GUT1
GenBank Nucleotide #	XM_002022324.1

NCBI Official Full Name	GL24132
NCBI Official Symbol	DperGL24132
NCBI Official Synonym Symbols	dper_GLEANR_645; GL24132
UniProt Protein Name	Ubiquitin-related modifier 1 homolog
UniProt Gene Name	GL24132
NCBI Protein Information	GL24132 gene product from transcript GL24132-RA
UniProt Comments for GL24132	Acts as a sulfur carrier required for 2-thiolation of mcm5S2U at tRNA wobble positions of cytosolic tRNA(Lys), tRNA(Glu) and tRNA(Gln). Serves as sulfur donor in tRNA 2-thiolation reaction by being thiocarboxylated (-COSH) at its C-terminus by MOCS3. The sulfur is then transferred to tRNA to form 2-thiolation of mcm5S2U. Also acts as a ubiquitin-like protein (UBL) that is covalently conjugated via an isopeptide bond to lysine residues of target proteins. The thiocarboxylated form serves as substrate for conjugation and oxidative stress specifically induces the formation of UBL-protein conjugates.
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