NAD (P)h-Hydrate Epimerase (GL16587) Drosophila Persimilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	NAD (P)H-hydrate epimerase (GL16587), Recombinant Protein
Full Product Name	Recombinant Drosophila persimilis NAD (P)H-hydrate epimerase
Product Gene Name	GL16587 recombinant protein
Sequence	MVKYLSQSEA IELDLDLFEM FHVGQLMELA GLSCADAVAE CFPAQTHPRV LVVCGPGNNG GDGLVCARHL SLMGYQPTVY YPKPTLMSLY ENLTNQCHHM EIPSVKKCPS LSDAEEDYDL ILDALFGFGF KPPVREDFVP LVKMMQETKV PIASVDIPSG WDVEKGKQSE CDFEPKLLIS LTAPKLCAEH FKGEHHYLGG RFVPPALQRK YQLNLPDYGS KLVVRL
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	25,202 Da
Sequence Positions	1-226, 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 B4GWP5
Species	Drosophila persimilis (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GL16587 recombinant protein	MBS1253492 is a recombinant protein targeting GL16587. Also known as Recombinant Drosophila persimilis NAD (P)H-hydrate epimerase. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GL16587 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 GL16587. It may not necessarily be applicable to this product.

NCBI GI #	195164377
NCBI GeneID	6597897
NCBI Accession #	XP_002023024.1
UniProt Primary Accession #	B4GWP5
UniProt Related Accession #	B4GWP5
GenBank Nucleotide #	XM_002022988.1

NCBI Official Full Name	GL16587
NCBI Official Symbol	DperGL16587
NCBI Official Synonym Symbols	dper_GLEANR_18233; GL16587
UniProt Protein Name	NAD(P)H-hydrate epimerase
UniProt Synonym Protein Names	NAD(P)HX epimerase
Protein Family	NAD(P)H-hydrate epimerase
UniProt Gene Name	GL16587
NCBI Protein Information	GL16587 gene product from transcript GL16587-RA
UniProt Comments for GL16587	Catalyzes the epimerization of the S- and R-forms of NAD(P)HX, a damaged form of NAD(P)H that is a result of enzymatic or heat-dependent hydration. This is a prerequisite for the S-specific NAD(P)H-hydrate dehydratase to allow the repair of both epimers of NAD(P)HX.
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