Alpha-Mannosidase 2 (Alpha-Man-II) (alpha-MAN-II) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	Alpha-mannosidase 2 (alpha-Man-II), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster Alpha-mannosidase 2 (alpha-Man-II), partial
Product Gene Name	alpha-Man-II recombinant protein
Product Synonym Gene Name	alpha-Man-II
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	126,721 Da
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 Q24451
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for alpha-Man-II recombinant protein	MBS1354305 is a recombinant protein targeting alpha-Man-II. Also known as Recombinant Drosophila melanogaster Alpha-mannosidase 2 (alpha-Man-II), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of alpha-Man-II 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 alpha-Man-II. It may not necessarily be applicable to this product.

NCBI GI #	24645354
NCBI GeneID	41126
NCBI Accession #	NP_524291.2
UniProt Primary Accession #	Q24451
UniProt Secondary Accession #	Q9TYG5; Q9VHD8; Q9VHD9
UniProt Related Accession #	Q24451
GenBank Nucleotide #	NM_079567.3
NCBI Official Full Name	alpha-Mannosidase class II a, isoform A

NCBI Official Synonym Full Names	alpha-Mannosidase class II a
NCBI Official Symbol	alpha-Man-IIa
NCBI Official Synonym Symbols	alpha-Man-II; CG18474; CG18802; CG8139; dGMII; dGMIIb; DM-GII.1; DmelCG18802; GmII; GMII; Man; MAN-2; Man-II
UniProt Protein Name	Alpha-mannosidase 2
UniProt Synonym Protein Names	Golgi alpha-mannosidase II; AMan II; Man II; Mannosyl-oligosaccharide 1,3-1,6-alpha-mannosidase
UniProt Gene Name	alpha-Man-II
UniProt Synonym Gene Names	GmII; AMan II; Man II
NCBI Protein Information	CG18802 gene product from transcript CG18802-RB
UniProt Comments for alpha-Man-II	Catalyzes the first committed step in the biosynthesis of complex N-glycans. It controls conversion of high mannose to complex N-glycans; the final hydrolytic step in the N-glycan maturation pathway ().
Research Articles on alpha-Man-II	**1.** These data show that the Drosophila metallophosphoesterase-dephosphorylated alpha-Man-II is required for the removal of the Rh1 oligosaccharide chain.
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