Defective Chorion-1 Protein, FC106 Isoform (DEC-1) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	Defective chorion-1 protein, FC106 isoform (dec-1), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster Defective chorion-1 protein, FC106 isoform (dec-1), partial
Product Gene Name	DEC-1 recombinant protein
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	137,444 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 P18170
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DEC-1 recombinant protein	MBS1215607 is a recombinant protein targeting DEC-1. Also known as Recombinant Drosophila melanogaster Defective chorion-1 protein, FC106 isoform (dec-1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of DEC-1 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 DEC-1. It may not necessarily be applicable to this product.

NCBI GI #	24640415
NCBI GeneID	31691
NCBI Accession #	NP_727203.1
UniProt Primary Accession #	P18170
UniProt Secondary Accession #	P92153; P92154; Q24299; Q26309; Q26310; Q26311; Q8IRP0
UniProt Related Accession #	P18169; P18170; P18171
GenBank Nucleotide #	NM_167133.2
NCBI Official Full Name	defective chorion 1, isoform C
NCBI Official Synonym Full Names	defective chorion 1

NCBI Official Symbol	dec-1
NCBI Official Synonym Symbols	39051; CG2175; dec; dec1; dec[[1]]; DmelCG2175; Fc; Fc1; Fcp7C; fs(1)11-549; fs(1)12-1873; fs(1)12-2514; fs(1)12-3512; fs(1)12-365; fs(1)12-3907; fs(1)12-403; fs(1)12-4860; fs(1)13-453; fs(1)13C-57; fs(1)13C-73; fs(1)14-963; fs(1)14A-114; fs(1)14E19; fs(1
UniProt Protein Name	Defective chorion-1 protein, FC106 isoform
UniProt Gene Name	dec-1
NCBI Protein Information	CG2175 gene product from transcript CG2175-RG
UniProt Comments for DEC-1	Required for proper assembly of the eggshell.
Research Articles on DEC-1	**1.** Dominant female sterility was not associated with larger deletions that included the fc106 N terminus, suggesting that abnormal juxtaposition of N- and C-terminal sequences in the aberrant proprotein interfered with endogenous DEC-1 proteins.
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