Protein Retinal Degeneration B (rdgB) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein retinal degeneration B (rdgB), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster Protein retinal degeneration B (rdgB), partial
Product Gene Name	rdgB 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	137,841 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 P43125
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rdgB recombinant protein	MBS1253250 is a recombinant protein targeting rdgB. Also known as Recombinant Drosophila melanogaster Protein retinal degeneration B (rdgB), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rdgB 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 rdgB. It may not necessarily be applicable to this product.

NCBI GI #	62473687
NCBI GeneID	32340
NCBI Accession #	NP_001014740.1
UniProt Primary Accession #	P43125
UniProt Secondary Accession #	O02434; Q6NP01; Q961R2; Q9VY88; A4V4E8
UniProt Related Accession #	P43125
GenBank Nucleotide #	NM_001014740.2
NCBI Official Full Name	retinal degeneration B, isoform D
NCBI Official Synonym Full Names	retinal degeneration B
NCBI Official Symbol	rdgB

NCBI Official Synonym Symbols	CG11111; DmelCG11111; DrdgB; DrdgBalpha; hypoF; ota1; rdbB(ota1); RdgB; RdgBalpha; x36
UniProt Protein Name	Protein retinal degeneration B
UniProt Synonym Protein Names	Probable calcium transporter rdgB
Protein Family	dITP/XTP pyrophosphatase
UniProt Gene Name	rdgB
NCBI Protein Information	CG11111 gene product from transcript CG11111-RI
UniProt Comments for rdgB	May control phosphatidylinositol concentration in transport vesicles from the subrhabdomeric cisternae (SRC) to the rhabdomere. May function as a calcium transporter.
Research Articles on rdgB	**1.** Thus RDGB couples the turnover of both PtdIns and PtdOH, key lipid intermediates during G-protein-coupled PtdIns(4,5)P2 turnover.
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