Dystrophin, Isoforms A/C/F/G/H (DYS) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dystrophin, isoforms A/C/F/G/H (Dys), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster Dystrophin, isoforms A/C/F/G/H (Dys), partial
Product Gene Name	Dys recombinant protein
Product Synonym Gene Name	Dys
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	185,311 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 Q9VDW6
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Dys recombinant protein	MBS1282077 is a recombinant protein targeting Dys. Also known as Recombinant Drosophila melanogaster Dystrophin, isoforms A/C/F/G/H (Dys), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Dys 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 Dys. It may not necessarily be applicable to this product.

NCBI GI #	116008030
NCBI GeneID	42327
NCBI Accession #	NP_001036722.1
UniProt Primary Accession #	Q9VDW6
UniProt Secondary Accession #	Q0KI51; Q0KI52; Q0KI53; Q9BK96; Q9BK98; Q9BKA0; Q9GT71; Q9VDW4
UniProt Related Accession #	Q0KI50; Q7YU29; Q9VDW3; Q9VDW6
GenBank Nucleotide #	NM_001043257.2
NCBI Official Full Name	dystrophin, isoform H
NCBI Official Synonym Full Names	Dystrophin

NCBI Official Symbol	Dys
NCBI Official Synonym Symbols	CG17750; CG31175; CG34157; CG7240; CG7243; CG7344; det; DLP; DLP1; DLP186; DLP2; DLP3; dmDLP; DmDLP; dmDp186; dmDys; DmDYS; DmelCG34157; Dp117; Dp186; Dp205; dys; GI3046716; IDLP
UniProt Protein Name	Dystrophin, isoforms A/C/F/G/H
UniProt Synonym Protein Names	Protein detached
Protein Family	Dystrophin
UniProt Gene Name	Dys
UniProt Synonym Gene Names	det; DmDYS
NCBI Protein Information	CG34157 gene product from transcript CG34157-RF
UniProt Comments for Dys	Required for the maintenance of appropriate synaptic retrograde communication and the stabilization of muscle cell architecture or physiology. Both det and Dg are required for maintenance of early dpp signaling in the presumptive crossvein. Isoform A is not required to maintain muscle integrity, but plays a role in neuromuscular homeostasis by regulating neurotransmitter release. May play a role in anchoring the cytoskeleton to the plasma membrane.
Research Articles on Dys	**1.** Dys protein regulates tarsal joint formation in response to Notch activity during Drosophila leg development.
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