ATP-Dependent RNA Helicase WM6 (Hel25E) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP-dependent RNA helicase WM6 (Hel25E), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster ATP-dependent RNA helicase WM6 (Hel25E)
Product Gene Name	Hel25E recombinant protein
Product Synonym Gene Name	Hel25E
Sequence	MADNDDLLDY EDEEQTETTA VENQEAPKKD VKGTYVSIHS SGFRDFLLKP EILRAIVDCG FEHPSEVQHE CIPQAVLGMD ILCQAKSGMG KTAVFVLATL QQLEPSDNNT CHVLVMCHTR ELAFQISKEY ERFSKYMPTV KVAVFFGGMA IQKDEETLKS GTPHIVVGTP GRILALIRNK KLNLKLLKHF VLDECDKMLE QLDMRRDVQE IFRSTPHGKQ VMMFSATLSK DIRPVCKKFM QDPMEVYVDD EAKLTLHGLQ QHYVNLKENE KNKKLFELLD VLEFNQVVIF VKSVQRCVAL SQLLTEQNFP AIGIHRGMTQ EERLNRYQQF KDFQKRILVA TNLFGRGMDI ERVNIVFNYD MPEDSDTYLH RVARAGRFGT KGLAITFVSD ENDAKILNEV QDRFDVNISE LPEEIDLSTY IEGR
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	48,652 Da
Sequence Positions	1-424, 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 Q27268
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Hel25E recombinant protein	MBS1303941 is a recombinant protein targeting Hel25E. Also known as Recombinant Drosophila melanogaster ATP-dependent RNA helicase WM6 (Hel25E). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Hel25E 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 Hel25E. It may not necessarily be applicable to this product.

NCBI GI #	24581952
NCBI GeneID	33781
NCBI Accession #	NP_723089.1

UniProt Primary Accession #	Q27268
UniProt Secondary Accession #	Q540X0; Q9VMQ1
UniProt Related Accession #	Q27268
GenBank Nucleotide #	NM_164646.3
NCBI Official Full Name	helicase at 25E, isoform A
NCBI Official Synonym Full Names	Helicase at 25E
NCBI Official Symbol	Hel25E
NCBI Official Synonym Symbols	CG7269; Dbp25F; DmelCG7269; DmRH4; hel; Hel; HEL; HEL25E; jf26; l(2)25Eb; l(2)gdh-12; l(2)gdh12; l(2)jf26; l(2)k11511; sz; uap56; UAP56; Wm6; WM6
UniProt Protein Name	ATP-dependent RNA helicase WM6
UniProt Synonym Protein Names	HEL/UAP56
Protein Family	ATP-dependent RNA helicase
UniProt Gene Name	Hel25E
UniProt Synonym Gene Names	Dbp25F; hel; WM6; DEAD box protein UAP56; Dmrnahel
NCBI Protein Information	CG7269 gene product from transcript CG7269-RC
UniProt Comments for Hel25E	Required for mRNA export out of the nucleus. Probable RNA helicase that may regulate entry into mitosis by down-regulating the expression of other genes whose activity may be rate-limiting for entry into mitosis during embryogenesis. Binds to salivary gland chromosomes and modifies position effect variegation. Promotes an open chromatin structure that favors transcription during development by regulating the spread of heterochromatin.
Research Articles on Hel25E	**1.** Study presents evidence that UAP56 and Vas are cluster transcript binding proteins that organize a piRNA-processing compartment that spans the nuclear envelope.
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