ATP-Dependent RNA Helicase DDX25 (DDX25) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP-dependent RNA helicase DDX25 (Ddx25), Recombinant Protein
Full Product Name	Recombinant Rat ATP-dependent RNA helicase DDX25 (Ddx25)
Product Gene Name	Ddx25 recombinant protein
Product Synonym Gene Name	Ddx25
Sequence	MASLLWGGDA GAAESERLNS HFSNLVHPRK NLRGIRSTTV PNIDGSLNTE EDDDEDDVVD LAANSLLNKL IRQSLVESSH RVEVLQKDPS SPLYSVKTFE ELRLKEELLK GIYAMGFNRP SKIQEMALPM MLAHPPQNLI AQSQSGTGKT AAFVLAMLNR VNALELFPQC LCLAPTYELA LQTGRVVERM GKFCVDVEVM YAIRGNRIPR GTDVTKQIVI GTPGTVLDWC FKRKLIDLTK IRVFVLDEAD VMIDTQGFSD QSIRIQRALP SECQMLLFSA TFEDSVWQFA ERIIPDPNVI KLRKEELTLN NIRQYYVLCE NRKDKYQALC NIYGGITIGQ AIIFCQTRRN AKWLTVEMMQ DGHQVSLLSG ELTVEQRASI IQRFRDGKEK VLITTNVCAR GIDVKQVTIV VNFDLPVNQS EEPDYETYLH RIGRTGRFGK KGLAFNMIEV DKLPLLMKIQ DHFNSSIKQL DPEDMDEIEK IEY
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	33,923 Da
Sequence Positions	1-483, 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 Q9QY16
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ddx25 recombinant protein	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a member of this family. The encoded protein is a gonadotropin-regulated and developmentally expressed testicular RNA helicase. It may serve to maintain testicular functions related to steroidogenesis and spermatogenesis.
Other Notes	Small volumes of Ddx25 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.
Searchable Terms for Ddx25 purchase	MBS1315058 is a recombinant protein targeting Ddx25. Also known as Recombinant Rat ATP-dependent RNA helicase DDX25 (Ddx25). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Ddx25. It may not necessarily be applicable to this product.

NCBI GI #	33186912
NCBI GeneID	58856
NCBI Accession #	NP_113818.2
UniProt Primary Accession #	Q9QY16
UniProt Related Accession #	Q9QY16
GenBank Nucleotide #	NM_031630.2
NCBI Official Full Name	ATP-dependent RNA helicase DDX25
NCBI Official Synonym Full Names	DEAD-box helicase 25
NCBI Official Symbol	Ddx25
NCBI Official Synonym Symbols	GRTH
UniProt Protein Name	ATP-dependent RNA helicase DDX25
UniProt Synonym Protein Names	DEAD box protein 25; Gonadotropin-regulated testicular RNA helicase
Protein Family	ATP-dependent RNA helicase
UniProt Gene Name	Ddx25
UniProt Synonym Gene Names	Grth
NCBI Protein Information	ATP-dependent RNA helicase DDX25
NCBI Summary for Ddx25	protein has ATPase and RNA helicase activities; may be involved in gametogenesis and reproductive processes [RGD, Feb 2006]
UniProt Comments for Ddx25	ATP-dependent RNA helicase. Required for mRNA export and translation regulation during spermatid development ().
Research Articles on Ddx25	**1.** The results suggest that DDX25 functions in meiotic cells,intermitochondrial cement,loose aggregates of particles,chromatoid bodies,late chromatoid bodies,satellite bodies,granulated bodies,mitochondria-associated granules and reticulated bodies.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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