

Recombinant Human DDX17

Cat. No. DDX17-28323TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 470-652 of Human DDX17 with a proprietary tag; Predicted MWt 46.2 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	183 amino acids
Description	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 splicesosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which is an ATPase activated by a variety of RNA species, but not by dsDNA. This protein, and that encoded by DDX5 gene, are more closely related to each other than to any other member of the DEAD box family. This gene can encode multiple isoforms due to both alternative splicing and the use of alternative translation initiation codons, including a non-AUG (CUG) start codon.
Molecular Weight	46.200kDa inclusive of tags
Tissue specificity	Ubiquitous.

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Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MQLVDHRGGGGGGGKGGRSRYRTTSSANNPNLMYQDECDRRLRGVKDGGRRDS ASYRDRSETDRAGYANGSGYGSPNSAFGAQAGQYTYGQGTYGAAAYGTSSYTAQ EYGAGTYGASSTTSTGRSSQSSSQFSGIGRSGQQPQPLMSQQFAQPPGATNMIG YMGQTAYQYPPPPPPPPPSRK
Sequence Similarities	Belongs to the DEAD box helicase family. DDX5/DBP2 subfamily.Contains 1 helicase ATP-binding domain.Contains 1 helicase C-terminal domain.

GENE INFORMATION

Gene Name	DDX17 DEAD (Asp-Glu-Ala-Asp) box polypeptide 17 [Homo sapiens]
Official Symbol	DDX17
Synonyms	DDX17; DEAD (Asp-Glu-Ala-Asp) box polypeptide 17; DEAD/H (Asp Glu Ala Asp/His) box polypeptide 17 (72kD); probable ATP-dependent RNA helicase DDX17; P72;
Gene ID	10521
mRNA Refseq	NM_001098504
Protein Refseq	NP_001091974

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MIM	608469
Uniprot ID	Q92841
Chromosome Location	22q13.1
Function	ATP binding; ATP-dependent helicase activity; RNA binding; RNA helicase activity; RNA-dependent ATPase activity;

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