

Recombinant Human DHX8

Cat. No. DHX8-27450TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human DHX8 with N-terminal proprietary tag. Predicted MW 36.63kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 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 spliceosome 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 highly homologous to yeast Prp22. This protein facilitates nuclear export of spliced mRNA by releasing the RNA from the spliceosome.
Molecular Weight	36.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	RREGRVANVADVSKGQRVKVKVLSFTGKTSLSMKDVDQETGEDLNPNRRRNLV GETNEETSMRNPDRPTHLSLVSAPVEEDDSLKRRLTRISDPEKW
Sequence Similarities	Belongs to the DEAD box helicase family. DEAH subfamily. DDX8/PRP22 sub-subfamily.Contains 1 helicase ATP-binding domain.Contains 1 helicase C-terminal domain.Contains 1 S1 motif domain.

GENE INFORMATION

Gene Name	DHX8 DEAH (Asp-Glu-Ala-His) box polypeptide 8 [Homo sapiens]
Official Symbol	DHX8
Synonyms	DHX8; DEAH (Asp-Glu-Ala-His) box polypeptide 8; DDX8, DEAD/H (Asp Glu Ala Asp/His) box polypeptide 8 (RNA helicase); ATP-dependent RNA helicase DHX8; HRH1; PRP22; PRPF22;
Gene ID	1659
mRNA Refseq	NM_004941
Protein Refseq	NP_004932
MIM	600396
Uniprot ID	Q14562

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Chromosome Location	17q21.31
Pathway	Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem; mRNA processing, organism-specific biosystem;
Function	ATP binding; ATP-dependent RNA helicase activity; RNA binding; helicase activity; hydrolase activity;

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