

Recombinant Human DHX9 protein, His/SUMO-tagged

Cat. No. DHX9-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DHX9(aa 325-840) fused with His/SUMO tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	325-840 a.a.
Description	Unwinds double-stranded DNA and RNA in a 3' to 5' direction. Alteration of secondary structure may subsequently influence interactions with proteins or other nucleic acids. Functions as a transcriptional activator. Component of the CRD-mediated complex that promotes MYC mRNA stability. Involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2.
Form	20 mM Tris, pH 8.0, 500 mM NaCl, 50% glycerol
Molecular Mass	74.5 kD
AA Sequence	NQVGVPWSP PQSNWNPWTS SNIDEGPLAF ATPEQISMDLKNELMYQLEQ DHDLQAILQE RELLPVKKFE SEILEAISQNSVVIIRGATG CGKTTQVPQF ILDDFIQNDR AAECNIVVTQ PRRISAVSVA ERVAFERGEE PGKSCGYSVR FESILPRPHASIMFCTVGVL LRKLEAGIRG ISHVIVDEIH ERDINTDFLLVLRDVVQAY PEVRIVLMSA TIDTSMFCEY FFNCPIIEVY

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GRTYPVQEYF LEDCIQMTHF VPPPKDKKKK DKDDGGGEDDDANCNLICGD
 EYGPETRLSM SQLNEKETPF ELIEALLKYIETLNVPGAVL VFLPGWNLIY
 TMQKHLEMNP HFGSHRYQIL
 PLHSQIPREE QRKVFDPVPV GVTKVILSTN IAETSITINDVVYVIDSCKQ
 KVKLFTAHHN MTNYATVWAS KTNLEQRKGRAGRVRPGFCF HLCSRARFER
 LETHMTPEMF RTPLHEIALS
 IKLLRLGGIG QFLAKAIEPP PLDAVIEAEH TLRELD

Storage Long term: -80 centigrade; Short term: -20 centigrade. Avoid freeze-thaw cycles.

GENE INFORMATION

Gene Name DHX9 DEAH (Asp-Glu-Ala-His) box polypeptide 9 [Homo sapiens]

Official Symbol DHX9

Synonyms DHX9; DEAH (Asp-Glu-Ala-His) box polypeptide 9; DDX9, DEAD/H (Asp Glu Ala Asp/His) box polypeptide 9 (RNA helicase A, nuclear DNA helicase II; leukophysin) , LKP; ATP-dependent RNA helicase A; NDH II; RHA; leukophysin; DEAH box protein 9; nuclear DNA helicase II; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 9; LKP; DDX9; NDH2; NDHII; FLJ17406;

Gene ID 1660

mRNA Refseq NM_001357

Protein Refseq NP_001348

MIM 603115

UniProt ID Q08211

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Chromosome Location	1q25
Pathway	Gene Expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; mRNA Splicing, organism-specific biosystem; mRNA Splicing - Major Pathway, organism-specific biosystem; mRNA processing, organism-specific biosystem;
Function	ATP binding; ATP-dependent DNA helicase activity; ATP-dependent RNA helicase activity; DNA binding; RNA helicase activity; RNA polymerase II transcription factor binding; double-stranded RNA binding; hydrolase activity; nucleotide binding; protein binding;

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