Recombinant Human DHX16 cell lysate

Cat. No. DHX16-476HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
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 a functional homolog of fission yeast Prp8 protein involved in cell cycle progression. This gene is mapped to the MHC region on chromosome 6p21.3, a region where many malignant, genetic and autoimmune disease genes are linked. Two transcript variants encoding different isoforms have been found for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

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Gene Name	DHX16 DEAH (Asp-Glu-Ala-His) box polypeptide 16 [Homo sapiens]
Official Symbol	DHX16
Synonyms	DHX16; DEAH (Asp-Glu-Ala-His) box polypeptide 16; DDX16, DEAD/H (Asp Glu Ala Asp/His) box polypeptide 16; putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX16; DBP2; Prp2; PRPF2; RNA helicase; DEAD/H box 16; DEAH-box protein 16; ATP-dependent RNA helicase #3; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 16; PRP8; DDX16; PRO2014;
Gene ID	8449
mRNA Refseq	NM_001164239
Protein Refseq	NP_001157711
MIM	603405
UniProt ID	O60231
Chromosome Location	6p21.3
Pathway	Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem; mRNA processing, organism-specific biosystem;
Function	ATP binding; ATP-dependent helicase activity; RNA helicase activity; helicase activity; hydrolase activity; nucleic acid binding; nucleotide binding;

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