# Recombinant Human DHX16 cell lysate

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

## SPECIFICATION

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| **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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