

Recombinant Human DDX19B, His-tagged

Cat. No. DDX19B-11893H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX19B protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-370a.a.
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 exhibits RNA-dependent ATPase and ATP-dependent RNA-unwinding activities. This protein is recruited to the cytoplasmic fibrils of the nuclear pore complex, where it participates in the export of mRNA from the nucleus. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM

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Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	DDX19B DEAD (Asp-Glu-Ala-Asp) box polypeptide 19B [Homo sapiens]
Official Symbol	DDX19B
Synonyms	DDX19B; DEAD (Asp-Glu-Ala-Asp) box polypeptide 19B; DDX19, DEAD (Asp Glu Ala As) box polypeptide 19 , DEAD/H (Asp Glu Ala Asp/His) box polypeptide 19 (Dbp5, yeast, homolog); ATP-dependent RNA helicase DDX19B; DBP5; DEAD-box protein 5; yeast Dbp5 homolog; DEAD box protein 19B; DEAD box RNA helicase DEAD5; DEAD-box RNA helicase DEAD5; ATP-dependent RNA helicase DDX19; DEAD (Asp-Glu-Ala-As) box polypeptide 19B; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 19 (Dbp5, yeast, homolog); RNAh; DDX19;
Gene ID	11269
mRNA Refseq	NM_001014449
Protein Refseq	NP_001014449
MIM	605812
UniProt ID	Q9UMR2
Chromosome Location	16q22.3
Function	ATP binding; ATP-dependent helicase activity; RNA binding; helicase activity; hydrolase activity; nucleotide binding;

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