

Recombinant Human DDX19B Protein, GST-tagged

Cat. No. DDX19B-2468H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDX19 full-length ORF (AAH03626, 1 a.a. - 479 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2008]
Molecular Mass	78.43 kDa
AA Sequence	MATDSWALAVDEQEAAAESLSNLHLKEEKIKPDTNGAVVKTNANAECTDEEEKEDR AAQSLLNKLIRSNLVDNTNQVEVLQRDPNSPLYSVKSFEELRLKPQLLQGVYAMGFN RPSKIQENALPLMLAEPQNLIASQSGTGKTAAFVLAMLSQVEPANKYPQCLCLSP

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TYELALQTGKVIEQMGKFYPELKLAYAVRGNKLERGQKISEQIVIGTPGTVLDWCSKL
KFIDPKKIKVFLDEADVMIAATQGHQDQSIRIQRMLPRNCQMLLFSAFEDSVWKFA
QKVVPDPNVIKLRKEETLDTIKQYYVLCSSRDEKFQALCNLYGAITIAQAMIFCHTRK
TASWLAAELKEGHQVALLSGEMMVEQRAAVIERFREGKEKVLVTTNVCARGIDVE
QVSVVINFDLPVDKDGNDNETYLHRIGRTGRFGKRGLAVNMVDSKHSNMILNRIQE
HFNKKIERLDTDDLDEIEKIAN

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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;

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Gene ID	11269
mRNA Refseq	NM_001014449
Protein Refseq	NP_001014449
MIM	605812
UniProt ID	Q9UMR2
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.