Recombinant Full Length Human DDX39B Protein, C-Flag-tagged

Cat. No. DDX39B-2024HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DDX39B Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the DEAD box family of RNA-dependent ATPases that mediate ATP hydrolysis during pre-mRNA splicing. The encoded protein is an essential splicing factor required for association of U2 small nuclear ribonucleoprotein with pre-mRNA, and it also plays an important role in mRNA export from the nucleus to the cytoplasm. This gene belongs to a cluster of genes localized in the vicinity of the genes encoding tumor necrosis factor alpha and tumor necrosis factor beta. These genes are all within the human major histocompatibility complex class III region. Mutations in this gene may be associated with rheumatoid arthritis. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on both chromosomes 6 and 11. Read-through transcription also occurs between this gene and the upstream ATP6V1G2 (ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G2) gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	48.8 kDa

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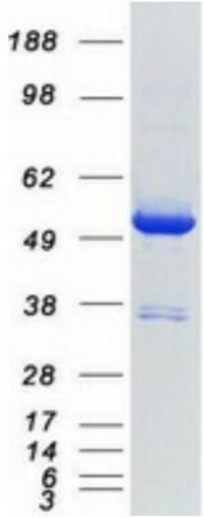
AA Sequence	MAENDVDNELLDYEDDEVETAAGGDGAEAPAKKDVKGSYVSIHSSGFRDFLLKPEL LRAIVDCGFEHPSE VQHECIPQAILGMDVLCQAKSGMGKTAVFVLATLQQLEPVTG QVSVLVMCHTRELAFQISKEYERFSKYM PNVKVAVFFGGLSIKKDEEVLKKNCPHIV VGTPGRILALARNKSLNLKHIKHFILDECDKMLEQLDMRRD VQEIFRMTPHEKQVMM FSATLSKEIRPVCRKFMQDPMEIFVDDETKLTLHGLQQYYVKLKDNEKNRKLFD LLD VLEFNQVVIFVKSVQRCIALAQLLVEQNFPAIAIHRGMPQEERLSRYQQFKDFQRRIL VATNLFGRG MDIERVNIAFNYDMPEDSDTYLHRVARAGRFGTKGLAITFVSDENDA KILNDVQDRFEVNISELPDEIDI SSYIEQTR TRTRPLEQKLISEEDLAANDILDYKDDD DKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Spliceosome
Full Length	Full L.

GENE INFORMATION

Gene Name	DDX39B DExD-box helicase 39B [Homo sapiens (human)]
Official Symbol	DDX39B

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Synonyms	BAT1; UAP56; D6S81E
Gene ID	7919
mRNA Refseq	NM_004640.7
Protein Refseq	NP_004631.1
MIM	142560
UniProt ID	Q13838



Coomassie blue staining of purified DDX39B protein.

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