

Recombinant Human DDX39B, His-tagged

Cat. No. DDX39B-31447TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human UAP56 with an N terminal His tag; 448 amino acids with a predicted MWt 51.1kDa including tag.
Species	Human
Source	E.coli
ProteinLength	428 amino acids
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.
Conjugation	HIS
Molecular Weight	51.100kDa inclusive of tags

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Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMAENDVDNELLDYEDDEVETAAGGDGAEAPAKKD VKGSYVSIHSSGFRDFLLKPELLRAIVDCGFEHPSEVQHECIPQAILGMDVLCQAKSG MGKTAVFVLATLQQLEPVTGQVSVLVMCHTRELAFQISKEYERFSKYMPNVKVAVFF GGLSIKKDEEVLLKKNCPHIVVGTPGRILALARNKSLNLKHIKHFILDECDKMLEQLDMR RDVQEIFRMTPHEKQVMMFSATLSKEIRPVCRKFMQDPMEIFVDDETKLTLLHGLQQ YYVKLKDNEKNRKLFDLLDVLEFNQVVIFVKSQVQRCIALAQLLVEQNFPAAIHARGMP QEERLSRYQQFKDFQRRILVATNLFGRGMDIERVNI AFNYDMPEDSDTYLHRVARA GRFGTKGLAITFVSDENDAKILNDVQDRFEVNISELPDEIDISSYIEQTR
Sequence Similarities	Belongs to the DEAD box helicase family. DECD subfamily. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.

GENE INFORMATION

Gene Name	DDX39B DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B [Homo sapiens]
Official Symbol	DDX39B
Synonyms	DDX39B; DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B; BAT1, HLA B associated transcript 1; spliceosome RNA helicase DDX39B; D6S81E; U2AF65 associated protein 56; UAP56;

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Gene ID	7919
mRNA Refseq	NM_004640
Protein Refseq	NP_004631
MIM	142560
Uniprot ID	Q13838
Chromosome Location	6p21.33
Pathway	Exon junction complex (EJC), organism-specific biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem;
Function	ATP binding; ATP-dependent RNA helicase activity; ATP-dependent helicase activity; ATP-dependent protein binding; RNA binding;

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