Recombinant Human DDX39B Protein, His-tagged

Cat. No. DDX39B-297H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX39B Protein (Ser45-Asp199) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser45-Asp199
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.0 kDa

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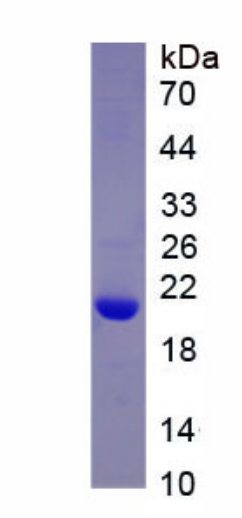
	Accurate Molecular Mass: 21 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	DDX39B DExD-box helicase 39B [Homo sapiens (human)]
Official Symbol	DDX39B
Synonyms	DDX39B; DExD-box helicase 39B; BAT1; UAP56; D6S81E; spliceosome RNA helicase DDX39B; 56 kDa U2AF65-associated protein; ATP-dependent RNA helicase p47; DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B; DEAD-box helicase 39B; HLA-B-associated transcript 1 protein; nuclear RNA helicase (DEAD family); spliceosome RNA helicase BAT1; EC 3.6.4.13

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Gene ID	7919
mRNA Refseq	NM_004640
Protein Refseq	NP_004631
MIM	142560
UniProt ID	Q13838



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