

Recombinant Human DDX39B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DDX39B-4297H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BAT1 MS Standard C13 and N15-labeled recombinant protein (NP_542165) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	49 kDa
AA Sequence	MAENDVDNELLDYEDDEVETAAGGDGAEAPAKKDVKGSYVSIHSSGFRDFLLKPEL

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LRAIVDCGFEHPSEVQHECIPQAILGMDVLCQAKSGMGKTAVFVLATLQQLEPVTGQ
VSVLVMCHTRELAFQISKEYERFSKYMPNVKVAVFFGGLSIKKDEEVLLKKNCPHIVV
GTPGRILALARNKSLNLKHIKHFILDECCKMLEQLDMRRDVQEIFRMTPEHKQVMMF
SATLSKEIRPVCRKFMQDPMEIFVDDTKLTLHGLQQYYVKLKDNEKNRKLFDLLDV
LEFNQVVIFVKSQRCIALAQLLVEQNFPAAIHGMPQEERLSRYQQFKDFQRRILV
ATNLFGRGMDIERVNIAFNIDMPEDSDTYLHRVARAGRFGTKGLAITFVSDENDAKIL
NDVQDRFEVNISELPDEIDISSYIEQTRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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; spliceosome RNA helicase BAT1; ATP-dependent RNA helicase p47; 56 kDa U2AF65-associated protein; nuclear RNA helicase (DEAD family); HLA-B-associated transcript 1 protein; BAT1;

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Gene ID	7919
mRNA Refseq	NM_080598
Protein Refseq	NP_542165
MIM	142560
UniProt ID	Q13838
SDS-PAGE	