Recombinant human DDX39B protein

Catalog Number: ATGP0718

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-428aa

UniProt No.
Q13838

NCBI Accession No.
NP_004631

Alternative Names
DExD-box helicase 39B, HLA-B associated transcript 1, DEAD box polypeptide 39B, DEAD-box helicase 39B, U2AF65-associated protein 56, Spliceosome RNA helicase DDX39B, ATP-dependent RNA helicase p47, DEAD box protein UAP56, D6S81E, UAP56

PRODUCT SPECIFICATION

Molecular Weight
51.1 (448aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl,1mM DTT

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
BAT1, also known as uAP56, is a member of the DEAD box family of RNA-dependent ATPases that mediate ATP hydrolysis during pre-mRNA splicing. This protein is an essential splicing factor required for association of u2 small nuclear ribonucleoprotein with pre-mRNA, and also plays an important role in mRNA export from the nucleus to the cytoplasm. Mutations in this protein may be associated with rheumatoid arthritis. Recombinant

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human BAT1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques

Amino acid Sequence

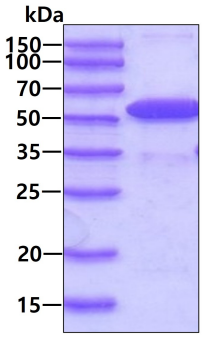
<MGSSHHHHHH SSGLVPRGSH> MAENDVDNEL LDYEDDEVET AAGGDGAEAP AKKDVKGSYV SIHSSGFRDF LLKPELLRAI VDCGFEHPSE VQHECIPQAI LGMDVLCQAK SGMGKTAVFV LATLQQLEPV TGQVSVLVMC HTRELAFQIS KEYERFSKYM PNVKVAVFFG GLSIKKDEEV LKKNCPHIVV GTPGRILALA RNKSLNLKHI KHFILDECDK MLEQLDMRRD VQEIFRMTPH EKQVMMFSAT LSKEIRPVCR KFMQDPMEIF VDDETKLTLH GLQQYYVKLK DNEKNRKLFD LLDVLEFNQV VIFVKSVQRC IALAQLLVEQ NFPAIAIHRG MPQEERLSRY QQFKDFQRRI LVATNLFGRG MDIERVNIAF NYDMPEDSDT YLHRVARAGR FGTKGLAITF VSDENDAKIL NDVQDRFEVN ISELPDEIDI SSYIEQTR

General References

Fleckner J., et al. (1997) Genes Dev. 11(14):1864-72.
Momose F., et al. (2001) J. Virol. 75(4):1899-908.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.