

# Product information



## BAT1, 1-428 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0718

**Full name:** Spliceosome RNA helicase BAT1

**NCBI Accession No.:** NP\_004631

**Synonyms:** D6S81E, DDX39B, UAP56

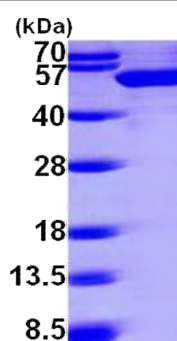
**Description:** BAT1, also known as UAP56, is a member of the DEAD box family of RNA-dependent ATPases that mediate ATP hydrolysis during pre-mRNA splicing. This protein is an essential splicing factor required for association of U2 small nuclear ribonucleoprotein with pre-mRNA, and also plays an important role in mRNA export from the nucleus to the cytoplasm. Mutations in this protein may be associated with rheumatoid arthritis. Recombinant human BAT1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques

**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol  
0.1M NaCl, 1mM DTT

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

**Purity:** > 90% by SDS - PAGE

**Concentration:** 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MAENDVDNEL LDYEDDEVET AAGDGAEAP AKKDVKGSYV SIHSSGFRDF LLKPELLRAI VDCGFEHPSE  
VQHECIPQAI LGMDVLCQAK SGMGKTAVFV LATLQQLEPV TGQVSVLVMC HTRELAFAQIS KEYERFSKYM PNVKVAVFFG GLSIKKDEEV  
LKKNCPIHVV GTPGRILALA RNKSLNLKHI KHFI LDECDK MLEQLDMRRD VQEIFRMTPH EKQVMMFSAT LSKEIRPVC R KFMQDPMEIF  
VDDETCLTLH GLQQYYVKLK DNEKNRKLFD LLDVLEFNQV VIFVKSQRC IALAQLLVEQ NFPAIAIHRG MPQEERLSRY QQFKDFQRR I  
LVATNLFGRG MDIERVNI AF NYDMPEDSDT YLHRVARAGR FGTKGLAITF VSDENDAKIL NDVQDRFEVN ISELPDEIDI SSYIEQTR

### General references:

Fleckner J., *et al.* (1997) *Genes Dev.* 11(14):1864-72.

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

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Momose F., *et al.* (2001) *J. Virol.* 75(4):1899-908.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

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