

## BAT1 Human

**Description:** BAT1 Human Recombinant protein produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 448 amino acids (1-428) and having a molecular mass of 51.1kDa. BAT1 is fused to 20 amino acid His Tag at N-terminus and is purified by proprietary chromatographic techniques.

Catalog #:ENPS-570

For research use only.

**Synonyms:** HLA-B associated transcript 1, UAP56, D6S81E, DDX39B, ATP-dependent RNA helicase p47, DEAD-box protein UAP56

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MAENDVDNEL LDYEDDEVET  
AAGGDGAEAP AKKDVKGSYV SIHSSGFRDF LLKPELLRAI VDCGFEHPSE VQHECIPQAI  
LGMDVLCQAK SGMGKTAVFV LATLQQLPEPV TGQVSVLVMC HTRELAFQIS KEYERFSKYM  
PNVKVAVFFG GLSIKKDEEV LKKNCPHIVV GTPGRILALA RNKSLNLKHI KHFILDECCK  
MLEQLDMRRD VQ

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

### Formulation:

BAT1 protein (0.5mg/ml) solution contains 20mM Tris-HCl buffer (pH8.0) 0.1M NaCl, 1mM DTT and 20% glycerol.

### Stability:

BAT1 Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

### Introduction:

BAT1 belongs to the DEAD box family of RNA-dependent ATPases that mediate ATP hydrolysis during pre-mRNA splicing. UAP56 protein is a vital splicing factor which is needed for connecting U2 small nuclear ribonucleoprotein with pre-mRNA, as well as takes a key part in mRNA export from the nucleus to the cytoplasm. Mutations in this protein may be connected to rheumatoid arthritis.

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