
Product Data Sheet

Product Name: BAT1 Human

Cat. No.: GP21432

Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | HLA-B associated transcript 1; UAP56; D6S81E; DDX39B; ATP-dependent RNA helicase p47; DEAD-box protein UAP56 | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MAENDVDNEL LDYEDDEVET AAGGDGAEAP AKKDVKGSYV SIHSSGFRDF LLKPELLRAI VDCGFEHPSE VQHECIPQAI LGMDVLCQAK SGMGKTAVFV LATLQQLEPV TGQVSVLVMC HTRELAFQIS KEYERFSKYM PNVKVAVFFG GLSIKKDEEV LKKNCPHIVV GTPGRILALA RNKSLNLKHI KHFILDEC DK MLEQLDMRRD VQEIFRMTPH EKQVMMFSAT LSKEIRPVCR KFMQDPMEIF VDETKLTLH GLQQYYVKLK DNEKNRKLFD LLDVLEFNQV VIFVKSQRC IALAQLLVEQ NFPAIAHRG MPQEERLSRY QQFKDFQRR I LVATNLFGRG MDIERVNIAF NYDMPEDSDT YLHRVARAGR FGTKGLAITF VSDENDAKIL NDVQDRFEVN ISELPDEIDI SSYIEQTR | | |
| Formulation | BAT1 protein (0.5mg/ml) solution contains 20mM Tris-HCl buffer (pH8.0) 0.1M NaCl, 1mM DTT and 20% glycerol. | | |

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

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.

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