# NKMAXBIO We support you, we believe in your research

## Recombinant human JTB protein

Catalog Number: ATGP2782

#### PRODUCT INFORMATION

#### **Expression system**

E.coli

#### **Domain**

31-105aa

#### **UniProt No.**

076095

#### **NCBI Accession No.**

NP 006685

#### **Alternative Names**

Jumping translocation breakpoint, hJT, HJTB, HSPC222, PAR

#### PRODUCT SPECIFICATION

#### **Molecular Weight**

10.7 kDa (98aa) confirmed by MALDI-TOF

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

#### **Purity**

> 85% 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**

Jumping translocation breakpoint, also known as JTB, is required for normal cytokinesis during mitosis. This protein plays a role in the regulation of cell proliferation. This protein may be a component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. It Inhibits apoptosis induced by TGFB1. Overexpression induces swelling of mitochondria and reduces mitochondrial membrane potential. Recombinant



# NKMAXBio We support you, we believe in your research

## Recombinant human JTB protein

Catalog Number: ATGP2782

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

### **Amino acid Sequence**

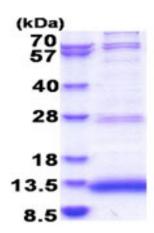
MGSSHHHHHH SSGLVPRGSH MGSEAPVQEE KLSASTSNLP CWLVEEFVVA EECSPCSNFR AKTTPECGPT GYVEKITCSS SKRNEFKSCR SALMEQRL

#### **General References**

Platica M., et al. (2011) Int. J. Oncol. 38:777-785 Kanome T., et al. (2007) Oncogene. 26:5991-6001

#### **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

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

