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Recombinant human JTB protein

Catalog Number: ATGP2782

PRODUCT INFORMATION

Expression system
E.coli

Domain
31-105aa

UniProt No.
O76095

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

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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

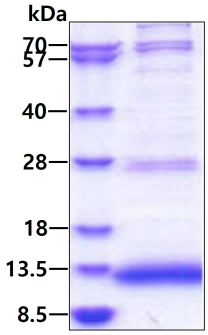
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General References

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

DATA

SDS-PAGE



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