

Product datasheet for **AR51602PU-S**

JTB (31-105, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	JTB (31-105, His-tag) human recombinant protein, 20 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSEAPVQEE KLSASTSNLP CWLVEEFVVA EECSPCSNFR AKTTPECGPT GYVEKITCSS SKRNEFKSCR SALMEQRL
Tag:	His-tag
Predicted MW:	10.7 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human JTB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_006685
Locus ID:	10899
UniProt ID:	O76095
Cytogenetics:	1q21.3
Synonyms:	PAR protein



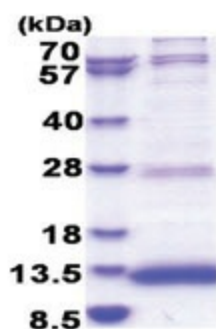
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Summary:

Required for normal cytokinesis during mitosis. Plays a role in the regulation of cell proliferation. 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. Increases AURKB activity. Inhibits apoptosis induced by TGFB1 (By similarity). Overexpression induces swelling of mitochondria and reduces mitochondrial membrane potential (By similarity).
[UniProtKB/Swiss-Prot Function]

Protein Families:

Transmembrane

Product images:

15% SDS-PAGE (3ug)