

## Product datasheet

# Recombinant Human JTB protein ab183230

1 Image

### Description

<b>Product name</b>	Recombinant Human JTB protein
<b>Purity</b>	> 85 % SDS-PAGE. ab183230 was purified using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>O76095</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	MGSSHHHHHHSSGLVPRGSHMGSEAPVQEEKLSASTSN LPCWLVEEFVVA EECSPCSNFRAKTTPECGPTGYVEKITCSSSKRNEFKSC RSALMEQRL
<b>Predicted molecular weight</b>	11 kDa including tags
<b>Amino acids</b>	31 to 105
<b>Tags</b>	His tag N-Terminus
<b>Additional sequence information</b>	NP_006685

### Specifications

Our **Abpromise guarantee** covers the use of **ab183230** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

### Preparation and Storage

**Stability and Storage** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -

80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris HCl, 0.88% Sodium chloride, 0.02% DTT, 10% Glycerol (glycerin, glycerine)

## General Info

### Function

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 TGF $\beta$ 1 (By similarity). Overexpression induces swelling of mitochondria and reduces mitochondrial membrane potential.

### Tissue specificity

Ubiquitous. Expressed in all normal human tissues studied but overexpressed or underexpressed in many of their malignant counterparts.

### Sequence similarities

Belongs to the JTB family.

### Cellular localization

Membrane. Mitochondrion. Cytoplasm. Cytoplasm > cytoskeleton > centrosome. Cytoplasm > cytoskeleton > spindle. Detected at the centrosome and along spindle fibers during prophase and metaphase. Detected at the midbody during telophase.

## Images



15% SDS-PAGE analysis of ab183230 (3 $\mu$ g).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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