



Recombinant Protein Technical Manual

Recombinant Human Jumping Translocation Breakpoint/JTB Protein (Fc Tag) RPES5057

Product Data:

Product SKU: RPES5057

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: O76095

Protein Information:

Molecular Mass: 34.7 kDa

AP Molecular Mass: 38 kDa

Tag: C-Fc

Bio-activity:

Purity: > 85 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: hJT;HJTB;HSPC222;JTB;PAR

Immunogen Information:

Sequence: Met 1-Leu105

Background:

Jumping translocation breakpoint, also known as JTB, is a member of the JTB family. Jumping translocation (JT) is an unbalanced translocation that comprises amplified chromosomal segments jumping to various telomeres. JTB is expressed in all normal human tissues studied but overexpressed or underexpressed in many of their malignant counterparts. It is required for normal cytokinesis during mitosis. JTB plays a role in the regulation of cell proliferation. It 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.