



Recombinant Protein Technical Manual

Recombinant Human Survivin/BIRC5 Protein

RPES3302

Product Data:

Product SKU: RPES3302

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O15392

Protein Information:

Molecular Mass: 20.4 kDa

AP Molecular Mass: 16 kDa

Tag:

Bio-activity:

Purity: > 95 % 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 a 0.2 µm filtered solution of 20mM Tris, 0.1M NaCl, pH 7.5.

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

Application:

Synonyms: Baculoviral IAP Repeat-Containing Protein 5; Apoptosis Inhibitor 4; Apoptosis Inhibitor Survivin; BIRC5; API4; IAP4

Immunogen Information:

Sequence: Met 1-Asp142

Background:

Baculoviral IAP Repeat-Containing Protein 5 (BIRC5) belongs to the IAP family. BIRC5 exists as a homodimer in the apo state and as a monomer in the CPC-bound state. BIRC5 contains one BIR repeat and is expressed only in fetal kidney and liver, and to lesser extent, lung and brain. BIRC5 functions as a multitasking protein that has dual roles in promoting cell proliferation and preventing apoptosis. BIRC5 is also a component of a chromosome passage protein complex (CPC), which is essential for chromosome alignment and segregation during mitosis and cytokinesis. BIRC5 acts as an important regulator of the localization of this complex.