

Recombinant Human Survivin/BIRC5 Protein

Catalog No. PKSH032109

Note: Centrifuge before opening to ensure complete recovery of vial contents.

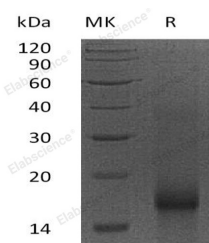
Description

Synonyms	Baculoviral IAP Repeat-Containing Protein 5;Apoptosis Inhibitor 4;Apoptosis Inhibitor Survivin;BIRC5;API4;IAP4
Species	Human
Expression Host	E.coli
Sequence	Met 1-Asp142
Accession	O15392
Calculated Molecular Weight	16.4 kDa
Observed molecular weight	16-18 kDa
Tag	None
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, 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-HCl, 100mM NaCl, pH 7.5. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

For Research Use Only

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.