

## Recombinant Human Survivin/BIRC5 Protein

**Catalog Number:** PKSH032109

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

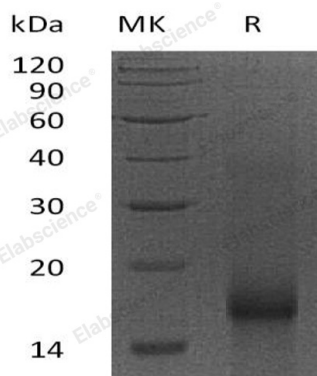
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human Survivin;BIRC5 protein Met 1-Asp142
<b>Calculated MW</b>	16.4 kDa
<b>Observed MW</b>	16-18 kDa
<b>Accession</b>	O15392
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	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.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### 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.

### For Research Use Only