

## Recombinant Human BIRC5

Catalog No: CE87

<b>Description</b>	Recombinant Human Baculoviral IAP Repeat-Containing Protein 5 is produced by our E.coli expression system and the target gene encoding Met1-Asp142 is expressed.
<b>Source</b>	E. coli
<b>Alternative name</b>	Baculoviral IAP Repeat-Containing Protein 5; Apoptosis Inhibitor 4; Apoptosis Inhibitor Survivin; BIRC5; API4; IAP4
<b>Accession No.</b>	O15392
<b>Predicted Molecular Weight</b>	16.4kDa
<b>AP Molecular Weight</b>	16-18kDa, reducing conditions.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, pH 7.5.
<b>Quality Control</b>	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Background</b>	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.

### SDS-Page

