

## 32-8108: Recombinant Human Baculoviral IAP Repeat-Containing Protein 5/BIRC5/Survivin

**Gene :** BIRC5  
**Gene ID :** 332  
**Uniprot ID :** O15392

### Description

Source: E. coli.  
MW :20.4kD.

Recombinant Human BIRC5 is produced by our E.coli expression system and the target gene encoding Met1-Asp142 is expressed. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 0.1M NaCl, pH 7.5.  
**Storage condition :** 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.  
**Amino Acid :** MGAPTLPPAWQPFLKDHRIKDFKRWPFLEGCCTPERMAEAGFIHCPTENEPDLAQCFCKELEGWEPDDDDPI  
EEHKKHSSGCAFLSVKKQFEELTLGFLKDRERAKNKIAKETNNKKKEFEETAKKVRRAIEQLAAMD

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.