

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 : MGAPTLPPAWQPFLKDHRIKSTFKNWPFLEGCCTPERMAEAGFIHCPTENEPDLAQCFKCFKELEGWEPDDDDPI
EEHKKHSSGCAFLSVKKQFEELTLGFLKLDREKAKNKIAKETNNKKKEFEETAKKVRRAIEQLAAMD

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 ddH₂O. 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.