

Recombinant Human BIRC5 Protein

Cat. No. BIRC5-047H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human baculoviral IAP repeat containing 5 (BIRC5/Survivin), transcript variant 1, was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene is a member of the inhibitor of apoptosis (IAP) gene family, which encode negative regulatory proteins that prevent apoptotic cell death. IAP family members usually contain multiple baculovirus IAP repeat (BIR) domains, but this gene encodes proteins with only a single BIR domain. The encoded proteins also lack a C-terminus RING finger domain. Gene expression is high during fetal development and in most tumors, yet low in adult tissues. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2011].
Molecular Mass	20.4 kDa
AA Sequence	MGAPTLPPAWQPFLKDHRISTFKNWPFLGCACTPERMAEAGFIHCPTENEPDLAQ CFFCFKELEGWEPDDDDPIEEHKKHSSGCAFLSVKKQFEELTLGFLKLDREERAKNKI AKETNNKKKEFEETAKKVRRAIEQLAAMD
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	> 95% as determined by SDS-PAGE and Coomassie blue staining

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Concentration 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 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage Buffer Lyophilized from a 0.2 M filtered solution of 20mM TrisHCl, 100mM NaCl, pH 7.5

GENE INFORMATION

Gene Name [BIRC5 baculoviral IAP repeat containing 5 \[Homo sapiens \]](#)

Official Symbol [BIRC5](#)

Synonyms BIRC5; baculoviral IAP repeat containing 5; API4; apoptosis inhibitor 4, baculoviral IAP repeat containing 5; baculoviral IAP repeat-containing protein 5; EPR 1; survivin; survivin variant 3 alpha; apoptosis inhibitor 4; apoptosis inhibitor survivin; API4; EPR-1;

Gene ID [332](#)

mRNA Refseq [NM_001012270](#)

Protein Refseq [NP_001012270](#)

MIM [603352](#)

UniProt ID [O15392](#)

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