

Recombinant Human baculoviral IAP repeat-containing 5, CaM-tagged

Cat. No. BIRC5-376H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Survivin fused to CaM-tag at N-terminus was expressed in E.coli and purified by conventional chromatography techniques, 33 kDa (294 aa).
Species	Human
Source	E.coli
Description	Survivin is a human gene that is part of the inhibitor of apoptosis family (IAP). The Survivin protein functions to inhibit caspase activation therefore leading to negative regulation of apoptosis or programmed cell death.
Sequences of amino acids	MADQLTEEQI AEFKEAFSLF DKDGDGTITT KELGTVMRS L GQNPTEAELQ DMINEVDADG NGTIDFPEFL TMMARKMKDT DSEEEIREAF RVFDKDGNGY ISAAELRHVM TNLGEKLTDE EVDEMIREAD IDGDGQVNYE EFVQMMTAKG SHMGAPTLPP AWQPFLKDHR ISTFKNWPFL EGCACTERM AEAGFIHCPT ENEPDLAQCF FCFKELEGWE PDDPIIEHK KHSSGCAFLS VKKQFEELTL GEFLKLDRE R AKNKIAKETN NKKKEFEETA KKVRRRAIEQL AAMD
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 100 mM NaCl
Purity	> 90% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)

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Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

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

Synonyms BIRC5; baculoviral IAP repeat-containing 5; API4; EPR-1;apoptosis inhibitor 4; survivin variant 3 alpha; surviving; IAP4; Apoptosis inhibitor survivin; survivin variant 3 alpha

Gene ID [332](#)

mRNA Refseq [NM_001012270](#)

Protein Refseq [NP_001012270](#)

MIM [603352](#)

UniProt ID [O15392](#)

Chromosome Location 17q25

Pathway Colorectal cancer; Cell Cycle, Mitotic

Function Ran GTPase binding; caspase inhibitor activity; chaperone binding; cofactor binding; enzyme binding; [metal ion binding](#); microtubule binding; peptidase inhibitor activity; protein homodimerization activity; zinc ion binding

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