

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 KELGTVMRSL GQNPTEAELQ DMINEVDADG NGTIDFPEFL TMMARKMKDT DSEEEIREAF RVFDKDGNGY ISAAELRHVM TNLGEKLTDE EVDEMIREAD IDGDGQVNYE EFVQMMTAKG SHMGAPTLPP AWQPFLKDHR ISTFKNWPFL EGCACTPERM AEAGFIHCPT ENEPDLAQCF FCFKELEGWE PDDDPIEEEHK KHSSGCAFLS VKKQFEELTL GEFLKLDREK 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)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA