

Recombinant Human Baculoviral IAP Repeat-containing 7, His-tagged

Cat. No. BIRC7-375H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant human Livin fused to His-tag at N-terminus was expressed in E.coli and purified by conventional chromatography techniques, 34 kDa (318 aa).

Species

Human

Source

E.coli

Description

Livin is a member of the family of inhibitor of apoptosis proteins (IAP) and contains a single copy of a baculovirus IAP repeat (BIR) as well as a RING zinc finger (RZF) domain. Livin has direct interaction with several caspases including caspase-3, -7, and -9. This protein inhibits the activation of caspase-9 induced by Apaf-1, cytochrome c, and dATP.

Sequences of amino acids

MGSSHHHHH SSGLVPRGSH MGPKDSAKCL HRGPQPSHWA AGDGPTQERC
 GPRSLGSPVL GLDTCRAWDH VDGQILGQLR PLTEEEEEEG AGATLSRGPA
 FPGMGSEELR LASFYDWPLT AEVPPPELLAA AGFFHTGHQD KVRCCFCYGG
 LQSWKRGDDP WTEHAKWFPS CQFLLRSKGR DVFHSVQETH SQLLGSWDPW
 EEPEDAAPVA PSVPASGYPE LPTPRREVQS ESAQEPGGVS PAEAQRAWVW
 LEPPGARDVE AQLRRLQEER TCKVCLDRAV SIVFVPCGHL VCAECAPGLQ
 LCPICRAPVR SRVRTFLS

Formulation

Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 100 mM NaCl, 2 mM EDTA, 20% glycerol

 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

Purity	> 90% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
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	BIRC7 baculoviral IAP repeat-containing 7 [Homo sapiens]
Synonyms	BIRC7; baculoviral IAP repeat-containing 7; KIAP; LIVIN; MLIAP; RNF50; ML-IAP; livin inhibitor of apoptosis; OTTHUMP00000031536; OTTHUMP00000031537; livin inhibitor-of-apoptosis; kidney inhibitor of apoptosis protein; melanoma inhibitor of apoptosis protein; baculoviral IAP repeat-containing protein 7; mliap, RNF50; livin; RING finger protein 50
Gene ID	79444
mRNA Refseq	NM_022161
Protein Refseq	NP_071444
MIM	605737
UniProt ID	Q96CA5
Chromosome Location	20q13.3
Function	enzyme binding; metal ion binding; zinc ion binding

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