

# Product information

## Livin beta, 1-280aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1416

**Full name:** Livin inhibitor of apoptosis isoform beta

**NCBI Accession No.:** NP\_071444

**Synonyms:** BIRC7, KIAP, ML-IAP, MLIAP, RNF50

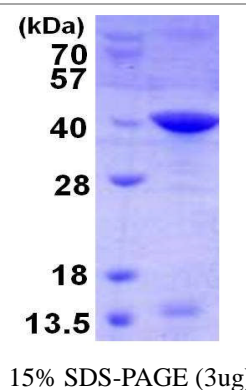
**Description:** Livin isoform beta is a member of the family of inhibitor of apoptosis proteins (IAP) and contains a single copy of a baculovirus IAP repeat (BIR) as well as a RING zinc finger (RZF) domain. Livin isoform beta has direct interaction with several caspases including caspase-3, -7, and -9. This protein inhibits the activation of caspase-9 induced by Apaf-1, cytochrome *c*, and dATP. Recombinant human Livin beta protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 40% glycerol, 300mM NaCl, 1mM EDTA

**Molecular Weight:** 33.4kDa (304aa), confirmed by MALDI-TOF

**Purity:** > 90% by SDS - PAGE

**Concentration:** 0.5mg/ml (determined by Bradford assay)



### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSHPGPKDS AKCLHRGPQP SHWAAGDGPT QERCGRSLG SPVLGLDTCR AWDHVDGQIL GQLRPLTEEE  
 EEEGAGATLS RGPAPFGMGS EELRLASFYD WPLTAEVPPE LLAAAGFFHT GHQDKVRCFF CYGGLQSWKR GDDPWTEHAK WFPSCQFLLR  
 SKGRDFVHSV QETHSQLLGS WDPWEEPEDA APVAPSVPAS GYPELTPRR EVQSESAQEP GARDVEAQLR RLQEERTCKV CLDRAVSIVF  
 VPCGHLVCAE CAPGLQLCPI CRAPVRSRVR TFLS

### General references:

Kasof GM., *et al.* (2001). *J Biol Chem.* 276(5):3238-46.

Ashhab Y., *et al.* (2001). *FEBS Lett.* 495(1-2):56-60.

**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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.