# Recombinant human Livin beta protein

Catalog Number: ATGP1416

## PRODUCT INFORMATION

**Expression system**
E.coli

**Domain**
1-280aa

**UniProt No.**
Q96CA5

**NCBI Accession No.**
NP_071444

**Alternative Names**
Livin inhibitor of apoptosis isoform beta, BIRC7, KIAP, ML-IAP, MLIAP, RNF50

## PRODUCT SPECIFICATION

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

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

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

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

**Tag**
His-Tag

**Application**
SDS-PAGE

**Storage Condition**
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**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.

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**Amino acid Sequence**

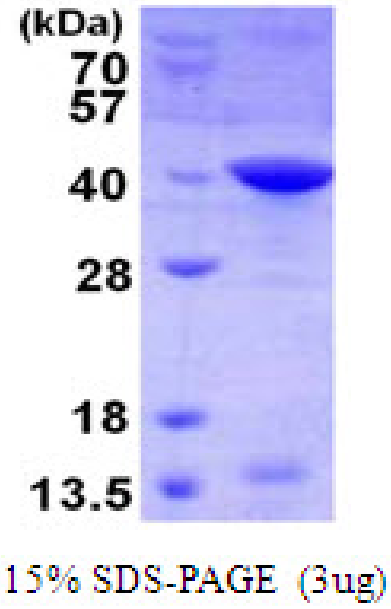
MGSSHHHHHH SSGLVPRGSH MGSHMGPKDS AKCLHRGPQP SHWAAGDGPT QERCGPRSLG SPVLGLDTCR AWDHVDGQIL GQLRPLTEEE EEEGAGATLS RGPAFPGMGS EELRLASFYD WPLTAEVPPE LLAAAGFFHT GHQDKVRCFF CYGGLQSWKR GDDPWTEHAK WFPSCQFLLR SKGRDFVHSV QETHSQLLGS WDPWEEPEDA APVAPSVPAS GYPELPTPRR EVQSESAQEP GARDVEAQLR RLQEERTCKV CLDRAVSIVF VPCGHLVCAE 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.

## DATA

**SDS-PAGE**




15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.