

# Recombinant human Livin beta protein

Catalog Number: ATGP1416

## PRODUCT INFORMATION

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### 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

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### 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

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### 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

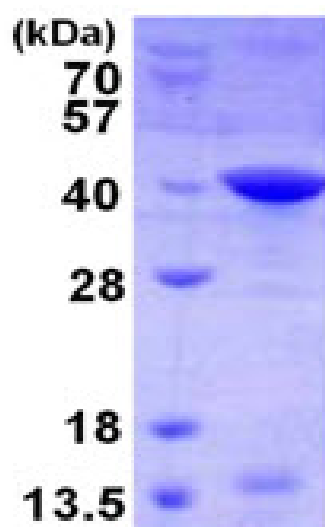
MGSSHHHHHH SSSLVPRGSH MGSHEMGPKDS AKCLHRGPQP SHWAAGDGPT QERCGPRSLG SPVLGLDTCR  
AWDHVDGQIL GQLRPLTEEE EEEGAGATLS RGPAPFGMGS EELRLASFYD WPLTAEVPPE LLAAAGFFHT GHQDKVRCFF  
CYGGLQSWKR GDDPWTEHAK WFPSCQFLLR SKGRDFVHSV QETHSQLLGS WDPWEEPEDA APVAPSPAS  
GYPELPTPRR EVQSESAQEP GARDVEAQLR RLQEERTCKV CLDRAVSIVF 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



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

15% SDS-PAGE (3ug)