

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

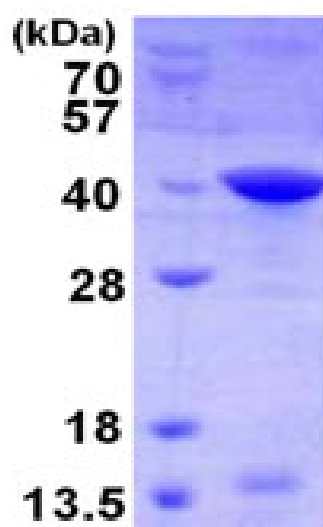
MGSSHHHHHH SSSLVPRGSH MGSHMGPKDS AKCLHRGPQP SHWAAGDGPT QERCGPRSLG SPVLGLDTCR
AWDHVDGQIL GQLRPLTEEE EEEGAGATLS RGPAPFGMGS EELRLASFYD WPLTAEVPPE LLAAAGFFHT GHQDKVRCFF
CYGGLQSWKR GDDPWTEHAK WFPSCQFLLR SKGRDFVHSV QETHSQLLGS WDPWEEPEDA APVAPSPAS
GYPELPTPRR EVQSESAQEP GARDVEAQLR RLQEERTCKV CLDRAVSIVF VPCGHLVCAE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