

Recombinant human Livin alpha protein

Catalog Number: LIV0801

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-298aa

UniProt No.

Q96CA5

NCBI Accession No.

NP_647478

Alternative Names

Livin inhibitor of apoptosis isoform alpha, BIRC7, Baculoviral IAP repeat-containing 7, KIAP, MLIAP, RNF50, ML-IAP, KIAP, MLIAP, RNF50, Livin, Livin inhibitor of apoptosis isoform alpha, Livin inhibitor of apoptosis isoform alpha Baculoviral IAP repeat containing 7, Baculoviral IAP repeat containing protein 7, BIRC 7, Kidney inhibitor of apoptosis protein, Livin inhibitor of apoptosis, RING finger protein 50, RNF 50, Melanoma inhibitor of apoptosis protein, ML IAP.

PRODUCT SPECIFICATION

Molecular Weight

34.9 kDa (318aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 0.1M NaCl, 2mM EDTA, 20% glycerol

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 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

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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 fused to His-tag at N-terminus was expressed in E. coli and purified by conventional chromatography techniques.

Amino acid Sequence

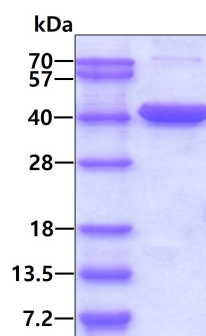
<MGSSHHHHHH SSGLVPRGSH> MGPKDSAKCL HRGPQPSHWA AGDGPTQERC GPRSLGSPVL GLDTCRAWDH
VDGQILGQLR PLTEEEEEEG AGATLSRGPA FPGMGSEELR LASFYDWPLT AEVPELLAA AGFFHTGHQD KVRCCFCYGG
LQSWKRGDDP WTEHAKWFPS CQFLRSKGR DVFHSVQETH SQLLGSWDPW EEPEDAAPVA PSVPASGYPE LPTPRREVQS
ESAQEPGGVS PAEAQRAWVWV LEPPGARDVE AQLRRLQEER TCKVCLDRAV SIVFVPCGHL VCAECAPGLQ LCPICRAPVR
SRVRTFLS

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.