

Livin beta, 1-280aa, Human, His tag, E.coli

Cat.NO.: TP02836

3th Edition

Synonyms: Livin inhibitor of apoptosis isoform beta, 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.

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMGPKDSAKCLHRGPQPSHWAAGDGPTQERCGRSLGSPVLGLDTCRAW
DHVDGQILGQLRPLTEEEEEEGAGATLSRGPAPFGMGSEELRLASFYDWPLTAEVPELLAAAGFFHTGHQDKVR
CFFCYGGLQSWKRGDDPWTEHAKWFPCQFLLRSKGRDFVHSVQETHSQLLSWDPWEEPEDAAPVAPSVPAS
GYPELPTPRREVQSESAQEPGARDVEAQLRRLQEERTCKVCLDRAVSIVFVPCGHLVCAECAPGLQLCPICRAPVR
SRVRTFLS

Purity: > 95% by HPLC

Concentration: 0.5 mg/mL (determined by Bradford assay).

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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.