

Recombinant Full Length Human XIAP Protein, C-Flag-tagged

Cat. No. XIAP-1757HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human XIAP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a protein that belongs to a family of apoptotic suppressor proteins. Members of this family share a conserved motif termed, baculovirus IAP repeat, which is necessary for their anti-apoptotic function. This protein functions through binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2 and inhibits apoptosis induced by menadione, a potent inducer of free radicals, and interleukin 1-beta converting enzyme. This protein also inhibits at least two members of the caspase family of cell-death proteases, caspase-3 and caspase-7. Mutations in this gene are the cause of X-linked lymphoproliferative syndrome. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 2 and 11.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	56.5 kDa
AA Sequence	MTFNSFEGSKTCVPADINKEEEFVEEFNRLKTFANFPSGSPVSASTLARAGFLYTGE GDTVRCFSCHAAV DRWQYGDSAVGRHRKVSPNCRFINGFYLENSATQSTNSGIQN GQYKVENYLGSRDHFALDRPSETHADYL LRTGQVVDISDTIYPRNPAMYSEEARLK

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SFQNWPDYAHLTPRELASAGLYYTGIGDQVQCFCGGLKNW EPCDRAWSEHRR
HFPNCFVLGRNLNIRSESDAVSSDRNFPNSTNLPRNPSMADYEARIFTFGTWIYSV
N KEQLARAGFYALGEGDKVKCFHCGGLTDWKPSDPWEQHAKWYPGCKYLLE
QKGQEYINNIHLTHSLEE CLVRTTEKTPSLTRRIDDTIFQNPMVQEARMGFSFKDIK
KIMEEKIQISGSNYKSLEVLVADLVNAQKD SMQDESSQTSLQKEISTEEQLRRLQEE
KLCKICMDRNI AIVFVPCGHLVTCKQCAEAVDKCPMCYTVITF
KQKIFMSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Apoptosis, Focal adhesion, NOD-like receptor signaling pathway, Pathways in cancer, Small cell lung cancer, Ubiquitin mediated proteolysis
Full Length	Full L.

GENE INFORMATION

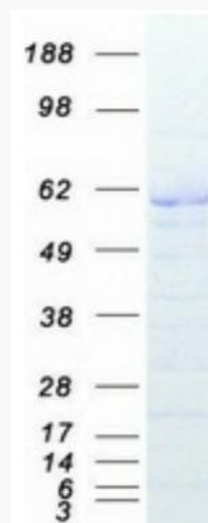
Gene Name	XIAP X-linked inhibitor of apoptosis [Homo sapiens (human)]
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Official Symbol	XIAP
Synonyms	API3; ILP1; MIHA; XLP2; BIRC4; IAP-3; hIAP3; hIAP-3
Gene ID	331
mRNA Refseq	NM_001167.4
Protein Refseq	NP_001158.2
MIM	300079
UniProt ID	P98170



Coomassie blue staining of purified XIAP protein.