

Recombinant Human XIAP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. XIAP-2775H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	XIAP MS Standard C13 and N15-labeled recombinant protein (NP_001158) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	56.7 kDa
AA Sequence	MTFNSFEGSKTCVPADINKEEEFVEEFNRLKTFANFPSGSPVSASTLARAGFLYTGE GDTVRCFCSCHAAVDRWQYGDSAVGRHRKVSPNCRFINGFYLENSATQSTNSGIQN GQYKVENYLGSRDHFALDRPSETHADYLLRTGQVVDISDTIYPRNPAMYSEEARLKS

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FQNWPDYAHLTRELASAGLYYTGIGDQVQCFCGGLKNWEPCDRAWSEHRRH
 FPNCFFVLGRNLNIRSESDAVSSDRNFNSTNLPRNPSMADYEARIFTFGTWIYSVN
 KEQLARAGFYALGEGDKVKCFHCGGLTDWKPSDPWEQHAKWYPGCKYLLEQK
 GQEYINNIHLTHSLEECLVRTTEKTPSLTRRIDDITFQNPVMQEAIRMGFSFKDIKKIM
 EEKIQISGSNYKSLEVLVADLVNAQKDSMQDESSQTSLQKEISTEEQLRRLQEEKLC
 KICMDRNIIVFVPCGHLVTCKQCAEAVDKCPMCYTVITFKQKIFMSTRTRPLEQKLIS
 EEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name XIAP X-linked inhibitor of apoptosis [Homo sapiens (human)]

Official Symbol XIAP

Synonyms XIAP; X-linked inhibitor of apoptosis; API3, baculoviral IAP repeat containing 4, BIRC4; baculoviral IAP repeat-containing protein 4; hILP; X-linked IAP; IAP-like protein; E3 ubiquitin-protein ligase XIAP; inhibitor of apoptosis protein 3; baculoviral IAP repeat-containing 4; X-linked inhibitor of apoptosis protein; API3; ILP1; MIHA; XLP2; BIRC4; IAP-3; hIAP3; hIAP-3; FLJ26913;

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Gene ID	331
mRNA Refseq	NM_001167
Protein Refseq	NP_001158
MIM	300079
UniProt ID	P98170
SDS-PAGE	