

Recombinant Human XIAP, FLAG-tagged

Cat. No. XIAP-30701TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human XIAP with N terminal FLAG tag; MWt 57kDa.
Species	Human
Source	Insect Cells
ProteinLength	496 amino acids
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.
Conjugation	FLAG
Molecular Weight	57.000kDa inclusive of tags
Tissue specificity	Ubiquitous, except peripheral blood leukocytes.

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Biological activity	Specific Activity: 0.0015 pmol/min/μg Assay conditions: 4 mM ATP, 5mM MgCl ₂ (both required for reaction), 1mM DTT, E1 (0.5 μg), E2 (2.8 μg), Biotinylated Ubiquitin (1 μg) in 50mM Tris pH 7.4.
Form	Liquid
Storage buffer	pH: 8.00 Constituents: 20% Glycerol, 0.58% Sodium chloride, 0.395% Tris HCl, 0.05% Tween, 0.0462% DTT Note: 104 μg/ml FLAG peptide
Storage	Store at -80°C
Sequence Similarities	Belongs to the IAP family. Contains 3 BIR repeats. Contains 1 RING-type zinc finger.

GENE INFORMATION

Gene Name	XIAP X-linked inhibitor of apoptosis [Homo sapiens]
Official Symbol	XIAP
Synonyms	XIAP; X-linked inhibitor of apoptosis; API3, baculoviral IAP repeat containing 4 , BIRC4; baculoviral IAP repeat-containing protein 4; hILP;
Gene ID	331
mRNA Refseq	NM_001167
Protein Refseq	NP_001158
MIM	300079

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Uniprot ID	P98170
Chromosome Location	Xq25
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptotic factor-mediated response, organism-specific biosystem;
Function	cysteine-type endopeptidase inhibitor activity involved in apoptotic process; ligase activity; metal ion binding; peptidase inhibitor activity; protein binding;

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