

## Recombinant Human XIAP, FLAG-tagged

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

### SPECIFICATION

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

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<b>Biological activity</b>	Specific Activity: 0.0015 pmol/min/μg Assay conditions: 4 mM ATP, 5mM MgCl <sub>2</sub> (both required for reaction), 1mM DTT, E1 (0.5 μg), E2 (2.8 μg), Biotinylated Ubiquitin (1 μg) in 50mM Tris pH 7.4.
<b>Form</b>	Liquid
<b>Storage buffer</b>	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
<b>Storage</b>	Store at -80°C
<b>Sequence Similarities</b>	Belongs to the IAP family. Contains 3 BIR repeats. Contains 1 RING-type zinc finger.

## GENE INFORMATION

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

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

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