

Recombinant Mouse Xiap protein, His & T7-tagged

Cat. No. Xiap-7936M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Xiap aa. (Gly8~Glu219 (Accession # Q60989)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Gly8~Glu219
Description	The protein encoded by this gene is a member of the inhibitor of apoptosis (IAP) family of proteins. While first identified for its role in blocking apoptosis, this protein modulates many other signaling processes including nuclear factor kappa-light-chain-enhancer of activated B cells (NF-κB) pathways and inflammatory responses. This protein blocks apoptosis by binding and inhibiting target caspases after they have been activated. Binding occurs to some, but not all, caspases. This protein has several conserved regions, including baculoviral IAP repeat (BIR) motifs and a RING finger E3 ligase domain. In humans, mutations in this gene are linked to immunodeficiency in X-linked lymphoproliferative syndrome type-2 (XLP-2). A pseudogene of this gene is found on chromosome 7. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.4kDa.

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Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 5.4.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	<i>Xiap</i> X-linked inhibitor of apoptosis [<i>Mus musculus</i> (house mouse)]
Official Symbol	<i>Xiap</i>
Synonyms	<i>Xiap</i> ; X-linked inhibitor of apoptosis; <i>Aipa</i> ; <i>Api3</i> ; <i>IAP3</i> ; <i>MIHA</i> ; <i>Birc4</i> ; <i>ILP-1</i> ; 1110015C02Rik; E3 ubiquitin-protein ligase XIAP; IAP homolog A; RING-type E3 ubiquitin transferase XIAP; X-linked IAP; baculoviral IAP repeat-containing protein 4;

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inhibitor of apoptosis protein 3

Gene ID	11798
mRNA Refseq	NM_001301639.1
Protein Refseq	NP_001288568.1
UniProt ID	Q60989

SDS-PAGE

