

Product datasheet for PH307627

XIAP (NM_001167) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	XIAP MS Standard C13 and N15-labeled recombinant protein (NP_001158)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207627
Predicted MW:	56.7 kDa
Protein Sequence:	>RC207627 protein sequence Red=Cloning site Green=Tags(s)
	MTFNSFEGSKTCVPADINKEEEFVEEFNRLKTFANFPSGSPVSASTLARAGFLYTGEEDTVRCFSCHAAV DRWQYGD SAVGRHRKVSPNCRFINGFYLENSATQSTNSGIQNGQYKVENYLGSRDHFALDRPSETHADYL LRTGQVVDISDTIYPRNPAMYSEEARLKSFNWPDYAHLPRELASAGLYTGIGDQVQCFCCGGKLNW EPCDRAWSEHRRHFPNCFVFLGRNLNIRSESDAVSSDRNFPNSTNLPRNPSMADYEARIFTFGTWIYSVN KEQLARAGFYALGEGDKVKCFHCGGGLTDWKPSDPWEQHAKWYPGCKYLLEQKQGEYINNIHLTHSLEE CLVRTTEKTPSLTRRIDDTIFQNPMVQEAIRMGFSFKDIKKIMEEKIQISGSNYKSLEVLVADLVNAQKD SMQDESSQTSLQKEISTEEQLRRLQEEKLCKICMDRNIAIVFVPCGHLVTCKQCAEAVDKCPMICYTVITF KQKIFMS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001158</u>
RefSeq Size:	8460
RefSeq ORF:	1491



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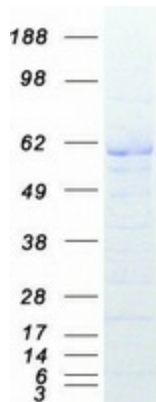
Synonyms: API3; BIRC4; hIAP-3; hIAP3; IAP-3; ILP1; MIHA; XLP2
Locus ID: 331
UniProt ID: [P98170](#)
Cytogenetics: Xq25

Summary: 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.[provided by RefSeq, Feb 2011]

Protein Families: Druggable Genome

Protein Pathways: Apoptosis, Focal adhesion, NOD-like receptor signaling pathway, Pathways in cancer, Small cell lung cancer, Ubiquitin mediated proteolysis

Product images:



Coomassie blue staining of purified XIAP protein (Cat# [TP307627]). The protein was produced from HEK293T cells transfected with XIAP cDNA clone (Cat# [RC207627]) using MegaTran 2.0 (Cat# [TT210002]).