

Product datasheet for **SC119404**

XIAP (NM_001167) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XIAP (NM_001167) Human Untagged Clone
Tag:	Tag Free
Symbol:	XIAP
Synonyms:	API3; BIRC4; hIAP-3; hIAP3; IAP-3; ILP1; MIHA; XLP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC119404 sequence for NM_001167 edited (data generated by NextGen Sequencing)

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ATGACTTTTAAACAGTTTTGAAGGATCTAAAACCTGTGTACCTGCAGACATCAATAAGGAA
GAAGAATTTGTAGAAGAGTTTAATAGATTA AAAACTTTTGCTAATTTTCCAAGTGGTAGT
CCTGTTTCAGCATCAACACTGGCAGCAGCAGGGTTTCTTATACTGGTGAAGGAGATACC
GTGCGGTGCTTTAGTTGTCATGCAGCTGTAGATAGATGGCAATATGGAGACTCAGCAGTT
GGAAGACACAGGAAAGTATCCCCAAATTGCAGATTTATCAACGGCTTTTATCTTAAAAAT
AGTGCCACGCAGCTACAAATTCTGGTATCCAGAATGGTCAGTACAAAGTTGAAAACAT
CTGGGAAGCAGAGATCATTGTCCTTAGACAGGCCATCTGAGACACATGCAGACTATCTT
TTGAGAACTGGCAGGTTGTAGATATATCAGACACCATATACCCGAGGAACCCCTGCCATG
TATAGTGAAGAAGCTAGATTAAGTCTTTT CAGAACTGGCCAGACTATGCTCACCTAACCC
CCAAGAGAGTTAGCAAGTGTGGACTCTACTACACAGGATTGGTGACCAAGTGCAGTGC
TTTTGTTGTGGTAAAACTGAAAAATGGGAACCTTGTGATCGTGCCTGGTCAGAACAC
AGGCGACACTTTCTAATTGCTTCTTTGTTTGGGCCGGAACTTAATATTCGAAGTGAA
TCTGATGCTGTGAGTTCTGATAGGAATTTCCCAAATTCACAAATCTTCCAAGAAATCCA
TCCATGGCAGATTATGAAGCACGGATCTTACTTTTGGGACATGGATATACTCAGTTAAC
AAGGAGCAGCTTGCAAGAGCTGGATTTTATGCTTTAGGTGAAGGTGATAAAGTAAAGTGC
TTTCACTGTGGAGGAGGGCTAACTGATTGGAAGCCAGTGAAGACCCCTTGGGAACAACAT
GCTAAATGGTATCCAGGGTGC AAATATCTGTTAGAACAGAAAGGGACAAGAATATAA AAC
AATATTCATTTAACTCATTCACTTGAGGAGTGTCTGGTAAAGAACTACTGAGAAAAACCA
TCACTAACTAGAAGAATTGATGATACCATCTTCCAAAATCCTATGGTACAAGAAGCTATA
CGAATGGGGTTTCAGTTTCAAGGACATTAAGAAAATAATGGAGGAAAAAATTCAGATATCT
GGGAGCAACTATAAATCACTTGAGGTTCTGGTTGCAGATCTAGTGAATGCTCAGAAAGAC
AGTATGCAAGATGAGTCAAGTCAGACTTATTACAGAAAGAGATTAGTACTGAAGAGCAG
CTAAGGCGCCTGCAAGAGGAGAAGCTTTGCAAAATCTGTATGGATAGAAATATTGCTATC
GTTTTTGTTCCTTGTGGACATCTAGTCACTTGTAAACAATGTGCTGAAGCAGTTGACAAG
TGTCCTATGTGCTACACAGTCATTACTTTCAAGCAAAAAATTTTTATGCTTAA

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Clone variation with respect to NM_001167.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_001167 unedited
GGTAGGATTTTGTAAACAGATTTCACTATAGGGCGGCCGGAATTCGCACGAGGCCAAGC
CGTAGAGCGGAGTTGGCATTTCAGATTGGGGCTCGGGCCGCGCCTCCTCCGGGACCCCTC
CCCTTGGACCGAGCCGATCGCCGCGGGGAGTTCCGGGCCGGCTGTCTGGCGCGAAAAAGG
TGGACAAGTCCTATTTTCAAGAGAAGATGACTTTTAAACAGTTTGAAGGATCTAAAACCT
GTGTACCTGCAGACATCAATAAGGAAGAAGAATTTGTAGAAGAGTTTAATAGATTA AAAA
CTTTTGCATAATTTTCAAGTGGTAGTCTCTGTTTCAGCATCAACACTGGCAGCAGCAGGGT
TTCTTTATACTGGTGAAGGAGATACCGTGCGGTGCTTTAGTTGTCATGCAGCTGTAGATA
GATGGCAATATGGAGACTCAGCAGTTGGAAGACACAGGAAAGTATCCCCAAATTGCAGAT
TTATCAACGGCTTTTATCTTAAAAATAGTGCCACGCAGTCTACAAATCTGGTATCCAGA
ATGGTCACTACAAAGTTGAAAATATCTGGGAAGCAGAGATCATTGTCCTTAGACAGGC
CATCTGAGACACATGCAGACTATCTTTGAGAACTGNGCAGGTTGTAGATATATCAGACA
CCATATACCCGAGGAACCCCTGCCATGTATAGTGAAGAAGCTAGATTA AAAGTCTTTTCAG
AACTGCCAGACTATGCTCACCTAACCCAGAGAGTTAGCCAGTGTGGACTCTACTACA
CAGGTATTGGTGACCAAGTGCAGTGCTTTTTGTTGTGGTGGAAAACCTGAAAAATGGGAA
CCTGTGATCGTGCTTGGTCAGACACAAGCGACACTTNTCCTAATTGCTTCTTTGGTTGG
GGCCNGNATTCCTATATTCGAATGAAATTGAGGCTGGGAGGTCTGATG

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001167 unedited CGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTAAGGATCTTGAGAGAACAT TTATTTTCAGAAGTATCTACTACTATTACTAGCCAAGAAAAACAAATGTAGGTAGAGGAAAG ACTTAACATTTTGTCCATATACATCTTAATCATCCTAATGGTAAAACTCACATGAAAC TTTAAGATACAAGATGATATGAGAATCTCAACATGGAAAGCTGCACTATAACTACAAGC AGTGTACAACATGCTTCTACTTTTACCTACATAAGCTGACAGATGTTTAAAATACTGAG TTAACAAAAGATCTTTTAGTAAAGTGACTTAGGCAGGCTTAACTAGCAAGGATTAAGGAT GAATCCTTACTAATTAATTGGAAGATCTGAGACATATTTTATATTTTCATTTTACAAAATC AGAAATACTTATTTTGAACAAGATAAGACATGGTCTACCTGTCAAAAACTACCACTCA GAAATATTTTTCATCCACAAAGCAGAAAAACATAAAATCATTTACATTTACATTGGCA CAAAAAGGTTAACTGCCCTGCCTTCTTGGATTAGAAAACTAAAGCTGAGTGATAAGTA GTTTTGCAGGCGTTTGAACATGCCTAAGCCTTTAAATCAGCAAAATACTTTCTAAAAATT CTGATTACAAAAGTAATACATACTTATAAAAAATTCGAACAGAACAAAATGAAAAAGTA GAAGGTGAAAAAGGCCCTATAAAACCCCTATGGNGCCCTTTCCCCCAATTCCCNCCC TTCCCGAAGAGAAACCACATTTTACAGNNTTGGTGTATATCTTTCCAAATCTTTTGNTC TATGCATATTAACATACATACTTTGATCTGGCTAGACTTACATAGTGNNTTGCCACTG CATTTACACTTAACATATCTTGACATCTTCATGTAGTACATGTGGCTCGATAGATCTATC ATAATACGCTTCAAAATGCAATACC
Restriction Sites:	NotI-NotI
ACCN:	NM_001167
Insert Size:	3000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001167.2</u> , <u>NP_001158.2</u>
RefSeq Size:	8413 bp
RefSeq ORF:	1494 bp
Locus ID:	331
UniProt ID:	<u>P98170</u>
Cytogenetics:	Xq25
Domains:	BIR, RING

Protein Families:	Druggable Genome
Protein Pathways:	Apoptosis, Focal adhesion, NOD-like receptor signaling pathway, Pathways in cancer, Small cell lung cancer, Ubiquitin mediated proteolysis
Gene Summary:	<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.[provided by RefSeq, Feb 2011]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>