

Product datasheet for **SC101707**

XIAP (AK098439) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XIAP (AK098439) Human Untagged Clone
Tag:	Tag Free
Symbol:	XIAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK098439, the custom clone sequence may differ by one or more nucleotides

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ATTTCCATGAGAACAAGGCTTATTCCTTTAACTTAAACCCCAAACCTTTGTTATTTTAATTATTTTCAGG
CAATCATCTTTATATACTTTCTTACAACCCAGTGGTTGAGAGCATAGGCCTTGGTGGCAGGTGCATCT
GGGCTTGGGGCTTCTGCCACACTTACTACTCTGTGACTTGGGAAGCTCTTAAGGCTCCCAAGGCTCCGT
TTCTTATGTGGAAGAAGAATAGCAGGAGGACTCACCTCTGCGGGTTGTTGTGAGGATTAAGTGGGTGATG
ACTGTAAGCAGCTGGGAGAGTGCCTTGTGTGCAGTGACCACTGTTGCTGCCACCATGATTATGTCACCTC
TCAACATGGGGTGGTGGGAGGCCCTGTGGATGAGGCCAAGGCTGCCTGCACTGAGTGTCCCAGGCCCTAT
AGCTTTCCACATTCTCACGTCTGCTGCCACATGATATAACAAGTAAATGTATTAGAAGTTGGTGTTCATAA
AATACTTCTTTTTTTTTTTTTTTTGGAGATGGAGTCTCGTCCGTCACCCAGGCTGGAGTGCAGTGGCGCC
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TGCCCAACTAATTTTTGTATTTTTAGAACAGGTGTGGTTTACCATATTGCCAGGCTGGTCTCGAGCT
CCTGAGCTCAGGCAATCCGCCTGCCTCAACCTCCCAAAGTCTGGGATTACAGGTGTGAGCATCCAGCCA
GAAATGATTTGCTTTCTAGACCATATCACCTCTCTCATCTACATCTCTAGTATTTAAATTAACACA
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CGGTGAGCCGAGATGGTGCCGTTGCACTCCAGCCGGGCAACAAGGGCTAACTCCATCTCAAAGAAAAG
AAAGAAAGGGAAGTAGAAGTAGGATTTAACAAGGACCGAGAAGTCGGCTGAATAGCCAGGTTGAGACAG
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TGTATCCATAACTTGAATAAAAAATAGAAGGCAAGAAGAGTGTGGGCAAGATGTGTTGGGTGTTAGA
TCTGCAATACTCTTCATAGTGAATGGCTAAATGTAAAGTCTTACGTCTCGGTTCAAGAAAGCACGTTGC
TATATGAAATTTAGAAAAAGTTTTGTTGCGGGGGTGGGATATTGATCATTGAAACATATGCCAGTTG
TTTCTCCTGCCCTAGGGGAGGTTGGCACGGCAACCTTCCCCTCCGTTAGGTTGGTGGTGGTGGTGGG
GCACGTCGTCACCAAGGGACCTGATTGTTGTGATGGTTTTGTCTTGTCTCCTCCCTGGTAAAAGTCTAC
TGCAGTTTTATTCTCAGCTCTGGAAGGAGAGGGAAACGAGCCTCTGCCTGTGTGCTGACCCCTCTTGCC
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CAGGTGGATCACTTGAAGTCAAGACTAGCCTGGCCAAACATGGTAAAACCCGCTCTACTAA
AAATACAAAATAGCCAAGTGTGTTGGTGGCCCTGTAATCCCAGCTACTCGGGAGGTTGAGGGAGGA
GAATCACTTGACCCAGGAGGCGAGGTTGAAGTGAGCCAGGATTGTGCCACTGTACTCCAGCCTGGGCG
ACAGAGGGGACTCTGTCTCAC
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for AK098439 unedited GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCTCGTGCCGAATTCGG CACGAGGGTTGGGTGTTAGATCTGCAATACTCTTCATAGTGAATGGCTAAATGTAAGT CTTACGTCTCGGTTCAAGAAAGCACGTTGCTATATGAAATTTAGAAAAAGTTTTGTTG CGGGGGTGGGATATTGATCATTGAACATATGCCAGTTGTTTCTCCTGCCCTAGGGGAG GTTGGCACGGCAACCTTCCCACTCCGTAGGTGGGTAGCCTTGCTGATGGGGCACGTCGTC ACCAAGGGACCTGATTGTTGTCATGGTTTTGTCTTGTCTCCTCCCTGGTAAAAGTCTAC TGCAGTTTTATTCTCAGCTCTGGAAGGAGAGGGAACGAGCCTCTGCCTGTGTGCTGAC CCCTCTTGCCCTGTTTTTATCTGCTCAGGCCGGTGCAGTGGCTCACGCCTGTAATCCC AGCACTTTGGGAGGCAAAGGCAGGTGGATCACTTGAGGTCAGGAGTTCAAGACTAGCCTG GCCAACATGGTAAAACCCGCTCTACTAAAAATACAAAATTAGCCAAGTGTGTGGTG GGCCCTGTAATCCAGCTACTCGGGAGGTTGAGGGAGGAGAATCACTTGACCCAGGAG GCGGAGGTTGAAGTGAGCCAGGATTGTGCCACTGTACTCCAGCCTGGGCGACAGAGGGG GACTCTGTCTACANNAATAAAAAATTAATAAAAAAGGTCTGCTCAGAATAGGGGAAACA CGGGATCAAGATCATTANAGATTTATAGGCTGGGATGCACACCATGTCTCAGAGCTAGC CCGGCTGTGCTTCTGCCGTTTCTTTACTGGTGAATACCCTTTGNNNTGACCANCANNT GATGTTCTCTCCTA
Restriction Sites:	NotI-NotI
ACCN:	AK098439
Insert Size:	4000 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:	AK098439.1
RefSeq Size:	2542 bp
RefSeq ORF:	2542 bp
Locus ID:	331
Cytogenetics:	Xq25
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:

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]