

Product datasheet for **SC124623**

cIAP2 (BIRC3) (NM_182962) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	cIAP2 (BIRC3) (NM_182962) Human Untagged Clone
Tag:	Tag Free
Symbol:	cIAP2
Synonyms:	AIP1; API2; c-IAP2; CIAP2; HAIP1; HIAP1; IAP-1; MALT2; MIHC; RNF49
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 NM_182962, the custom clone sequence may differ by one or more nucleotides

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ATGAACATAGTAGAAAACAGCATATTCTTATCAAATTTGATGAAAAGCGCCAACACGTTTGAAC TGAAT
ACGACTTGTGTCATGTAAGTGTACCGAATGTCTACGTATCCACTTTTCTGCTGGGTTCTGTCTCAGA
AAGGAGTCTTGTGCTGCTGGTTTCTATTACACTGGTGTGAATGACAAGGTCAAATGCTTCTGTTGGC
CTGATGCTGGATAACTGGAAGAGGAGACAGTCTACTGAAAAGCATAAAAAGTTGATCCTAGCTGCA
GATTCGTTCCAGAGTCTAAATCCGTTAAACAACCTTGAAGTACCTCTCAGCCTACTTTTCTTCTTCA
AACAAATCCACACACTCATTACTTCCGGGTACAGAAAACAGTGGATATTTCCGTGGCTCTTATTCAAAC
TCTCCATCAAATCCTGTAAGTCCAGAGCAAATCAAGATTTTTCTGCCTTGATGAGAAGTCTTACCCT
GTGCAATGAATAACGAAAATGCCAGATTACTTACTTTTCCAGACATGGCCATTGACTTTTCTGTGCGCAAC
AGATCTGGCAAAGCAGGCTTTTACTACATAGGACCTGGAGACAGAGTGGCTTGTCTTGCCTGTGGTGA
AAATTGAGCAATTGGGAACCGAAGGATAATGCTATGTCAGAACACCTGAGACATTTCCCAAATGCCAT
TTATAGAAAATCAGCTTCAAGACTTCAAGATACACAGTTTCTAATCTGAGCATGCAGACACATGCAGC
CCGCTTTAAAACATTCTTAACTGGCCCTCTAGTGTCTAGTTAATCCTGAGCAGCTTGCAAGTGGGGT
TTTTATTATGTGGTAACAGTGATGATGTCAAATGCTTTTGTGTGATGGTGGACTCAGGTGTTGGGAAT
CTGGAGATGATCCATGGGTTCAACATGCCAAGTGGTTTCCAAGGTGTGAGTACTTGATAAGAATTAAGG
ACAGGAGTTTCAATCCGTCAGTTCAGCCAGTTACCCTCATCTACTTGAACAGCTGCTATCCACATCAGAC
AGCCCAGGAGATGAAAATGCAGAGTCATCAATTATCCATTTTGAACCTGGAGAAGACCATTGAGAAGATG
CAATCATGATGAATACTCCTGTGATTAAATGCTGCCGTGGAATGGGCTTTAGTAGAAGCCTGGTAAAAA
GACAGTTCAGAGAAAAATCCTAGCACTGGAGAGAATTATAGACTAGTCAATGATCTTGTGTTAGACTTA
TCAATGCAGAAGATGAAATAAGGGAAGAGGAGAGAGAAAAGAGCAACTGAGGAAAAAGAATCAAATGATT
TATTATTAATCCGGAAGATAGAATGGCACTTTTCAACATTTGACTTGTGTAATTTCCAATCCTGGATAG
TCTACTAACTGCCGAATTATTAATGAACAAGAACATGATGTTATTAACAGAAGACACAGACGCTTTTA
CAAGCAAGAGAAGTATTGATACGATTTTGTAAAAGGAAATATTGCAGCCACTGTATTCAGAAACTCTC
TGCAAGAAGCTGAAGCTGTGTTATATGAGCATTATTTGTGCAACAGGACATAAAATATATTTCCACAGA
AGATGTTTCCAGATCTACCAGTGGAGAACAATTGCGGAGACTACAAGAAGAAAGAACATGTAAGGTGTG
ATGGACAAAGAAGTGTCCATAGTGTATTTCTTGTGGTCATCTAGTAGTATGCAAAGATTGTGCTCCTT
CTTAAGAAAGTGCCTATTTGTAGGAGTACAATCAAGGGTACAGTTCGTACATTTCTTTTCATGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_182962 unedited

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TAGGATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCAAAGGTG
CAATTGTGATTTCTTCTTAAAATGTATCAGTATAGGATTTAGAATCTCCATGTTGAAA
CTCTAAATGCATAGAAAATAAAAAATAAAAAATTTTTCATTTTGGCTTTTCAGCCTAGT
ATTAAGAACTGATAAAAGCAAAGCCATGCACAAAACCTCCCTAGAGAAAGGCTAGTCC
CTTTTCTCCCAATTCATTTTATTATGAACATAGTAGAAAACAGCATATTTCTTATCAAAT
TTGATGAAAAGCGCCAACACGTTTGAAGTCAAATACGACTTGTGATGTAAGTGTACCGA
ATGCTACGATTTCCACTTTTCTGCTGGGTTCTGTCTCAAAGGAGTCTTGTGCTG
CTGTTTCTATTACACTGGGTGTGAATGACAAGGTCAAATGCTTCTGTTGTGGCCTGATG
CTGAATAACTGGAAGAGGAGACAGTCTACTGAAAAGATAAAAAGTGGGATCCTAACT
GGAAAATTCGTCAGAAGTCTAATTTCCCGTAACAACCTTGAAGGCAACCTTTCCACCCTAC
TTTTTCTTTTTACAGAAAACAATTTCCACACTTCTTTATTTCCGGGGACAAAAAAGA
GGGAATTTTCCCGGGCTTCTATTCAAACCTCTCCTCAAACCGGAAAACCCCAAAACAAA
CAAATTTTTCTGCCTGGAAGAAAACCTCCCGGGGCTTGAAAAAAGGCCAA
ATTTCTTTTTTTAAAATGGGCCTTTGTCTTTTGTTCACAAAAAT
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_182962 unedited GGGGGGGNGTTTTNNNNANTTTTACTTGCCACGCGCCGCATACCGAGACCGNGTTTT TTTTTTTTTTTTTAAATTTTGTGTCTTTATAATTTTTTCTCACAAAATCTTTTAAAA ACCCTGTCCTAAATGTCTTCACTTTCCCTTCTTATAGCCGTCAAAAAACAATGTCCC TGGTTGTTTGTCTGTGTTAAAGGCGCTATTGCTCCCAGGATTCAAACCTCTGCTCAAT TTCTCTCTCACCTGACTCGCTCCCCCTGCTTCTTCCGGTTTCATGCCAAATTTAA ATTCTAAAGTACTCATTCTATTTACTTTCCTTACATTGCTAATTATGATTTGGTTGA TGCTACCTTTTCTCTAAACAAACCTCTTCTATTCTAAATTGTCTTGGTAACTATTATT GTACCAACATGTTTGATTGAATATAAATTAAGAACCATTGTAAATTAAGTTATCCTTATA ATAATCTAGTTAACATGTTGT
Restriction Sites:	NotI-NotI
ACCN:	NM_182962
Insert Size:	2740 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_182962.1</u> , <u>NP_892007.1</u>
RefSeq Size:	2683 bp
RefSeq ORF:	1815 bp
Locus ID:	330
UniProt ID:	<u>Q13489</u>
Cytogenetics:	11q22.2
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 member of the IAP family of proteins that inhibit apoptosis by binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2, probably by interfering with activation of ICE-like proteases. The encoded protein inhibits apoptosis induced by serum deprivation but does not affect apoptosis resulting from exposure to menadione, a potent inducer of free radicals. It contains 3 baculovirus IAP repeats and a ring finger domain. Transcript variants encoding the same isoform have been identified. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.