

Product datasheet for **SC126567**

cIAP1 (BIRC2) (NM_001166) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	cIAP1 (BIRC2) (NM_001166) Human Untagged Clone
Tag:	Tag Free
Symbol:	cIAP1
Synonyms:	API1; c-IAP1; cIAP1; Hiap-2; HIAP2; MIHB; RNF48
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC126567 sequence for NM_001166 edited (data generated by NextGen Sequencing)

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ATGCACAAAACCTCCCTCCCAAAGACTTTTCCCAGGTCCCTCGTATCAAAACATTAAGAGT
ATAATGGAAGATAGCACGATCTTGTGAGATTGGACAAACAGCAACAAACAAAAATGAAG
TATGACTTTTCTGTGAAGCTCTACAGAAATGTCTACATATTCAACTTTCCCGCCGGGGTG
CCTGTCTCAGAAAGGAGTCTTGTGCTGCTGGTTTTTATTATACTGGTGTGAATGACAAG
GTCAAATGCTTCTGTTGTGGCCTGATGCTGGATAACTGGAACTAGGAGACAGCTTATT
CAAAAGCATAAAACAGCTATATCCTAGCTAGCTTTATTTCAGAATCTGGTTTCAGCTAGT
CTGGGATCCACCTCTAAGAATACGTCTCCAATGAGAAACAGTTTTGCACATTCATTATCT
CCCACCTTGGAACATAGTAGCTTGTTCAGTGGTCTTACTCCAGCCTTTCTCAAACCT
CTTAATTCTAGAGCAGTTGAAGACATCTTTCATCGAGGACTAACCCTACAGTTATGCA
ATGAGTACTGAAGAAGCCAGATTTCTTACCTACCATATGTGGCCATTAACTTTTTGTCA
CCATCAGAATTGGCAAGAGCTGGTTTTTATTATATAGGACCTGGAGATAGGGTAGCTGC
TTTGCCTGTGGTGGGAAGCTCAGTAACTGGGAACCAAAGGATGATGCTATGTCAGAACAC
CGGAGGCATTTTCCCACTGTCCATTTTGGAAAATTCTCTAGAACTCTGAGGTTTAGC
ATTTCAAATCTGAGCATGCAGACACATGCAGCTCGAATGAGAACATTTATGTAAGTGGCCA
TCTAGTGTTCAGTTCAGCCTGAGCAGCTTGAAGTGGTGGTTTTTATTATGTTGGTTCGC
AATGATGATGTCAAATGCTTTTGTGTGATGGTGGCTTGAGGTGTTGGGAATCTGGAGAT
GATCCATGGGTAGAACATGCCAAGTGGTTTCCAAGGTGTGAGTCTTGATACGAATGAAA
GGCCAAGAGTTTGTGATGAGATTCAAGGTAGATATCCTCATCTTCTTGAACAGCTGTTG
TCAACTTCAGATACCACTGGAGAAGAAAATGCTGACCCACCAATTATTCATTTGGACCT
GGAGAAAAGTCTTTCAGAAGATGCTGTGATGAATACACCTGTGGTTAAATCTGCCTTG
GAAATGGGCTTTAATAGAGACCTGGTGAACAAACAGTTCAAAGTAAAATCCTGACAACT
GGAGAGAACTATAAAACAGTTAATGATATTGTGTCAGCACTTCTAATGCTGAAGATGAA
AAAAGAGAAGAGGAGAAGGAAAAACAAGCTGAAGAAATGGCATCAGATGATTTGTCATTA
ATTCGGAAGAACAGAATGGCTCTCTTCAACAATTGACATGTGTGCTTCCTATCCTGGAT
AATCTTTTAAAGGCCAATGTAATTAATAAACAGGAACATGATATTATAAACAAAAACA
CAGATACCTTTACAAGCGAGAGAAGTATTGATACCAATTTGGTTAAAGGAAATGCTGCG
GCCAACATCTTCAAAAAGTCTAAAAGAAATGACTCTACATTTGATAAGAACTATTTT
GTGGATAAGAATATGAAGTATATCCAACAGAAGATGTTTCAGGTCTGCTACTGGAAGAA
CAATTGAGGAGTTGCAAGAAGAACGAAGTGTAAAGTGTGATGGACAAAGAAGTTTCT
GTTGATTTTATTCTTGTGGTCACTGGTATGCCAGGAATGTGCCCTTCTCTAAGA
AAATGCCCTATTTGCAGGGGTATAATCAAGGACTGTTCTGACATTTCTCTCTTAA

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Clone variation with respect to NM_001166.3

5' Read Nucleotide Sequence: >OriGene 5' read for NM_001166 unedited

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CTAGGCAGCCGCGCAGCTTCCGTGTTTGTGCGCCCGCACTGCGATTTACAACCCGTAAG
AATCTCCCTATCCCTATTTTGTCCCTGCAGTAATAAATCCCATTATGGAGATCTCGAA
ACTTTATAAAGGGATATAGTTTGAATTCTATGGAGTGAATTTTGTGATGAATTATATT
TTTAAACATTGAAGAGTTTTCAGAAAGAAGGCTAGTAGAGTTGATTACTGATACTTTAT
GCTAAGCAGTACTTTTTGGTAGTACAATTTTTGTTAGGCGTTTCTGATAACACTAGAA
AGGACAAGTTTTATCTTGTGATAAATTGATTAATGTTTACAACATGACTGATAATTATAG
CTGAATAGTCCTTAAATGATGAACAGGTTATTTAATTNTAAATGCAGTGTAAAAAGTGT
GCTGTGGAAATTTATGGCTAACTAAGTTTATGGAGAAAATACCTTCAGTTGATCAAGAA
TAATAGTGGTATACAAAGTTAGGAAGAAAGTCACATGATGCTGCANGAAATGGGAACANA
TACCAATGATATTTAACAAGATAGAGTTTACAGTTTTTGAACTTAAGCCAAATTCATT
TGACATCAAGCACTATAGCAGGCACAGGTTCAACAAAGCTTGTGGGGTATTGACTTCCCC
CCAAAAGTTGTTACCTGAAGTAATTTAGCCCCCTTTAGTAAATACCTATGAAGATATA
GCTGGGTGAACCTAAGCTTNTAAATAAGTGTGACCATATAGAAGGTTTTAATCTTTT
NGTTATTNGGAATAAATAGAGACTCTTGGGGTTGGCTTGTAAAGGCCTTATAGGGAAAG
AACCTGCATTTAATTTTACCTTGGGCATAACAGG

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001166 unedited ATTTTAATACCACATGTGAAAAGCACCAGAGACAATTCGGCACCATAACTCTGATGAACT CCAGAGTTCCTGGTTTCCAGTTCCTTTCTACACTATAATTTAGTATTCAAAGCTTTCTGA AAGAACAACAAATCCAGTAACTCCTGATTTGATGCATAACAAGCAGTGACACTACTCCCT TAGGTACGCATACATACTAATATAGTTCACCAAACATAAATCTTCCCTTGAAATAAACA GATTAAGATTAATATATGATACCATCTTTTCAGAAACAAGATTATTAGTACCAAAGCAG ACTAGAACATGAATGTTACTAATTGAAAACTCATAATTCCTTTTACTTTAGATGGCT TCAAGTGTTCACAATATTTTAAAGACCTTTTCATGCACGTTAAAATATAGACTATTTTT CTTAAGAGAGAAATGTACGAACAGTACCAGTGATTATACGCCTGCAAATACGGCATTTT CTTAGAGAAGGGGCACATTCCCTGGCATACTACCCGATGACCACAGGGAATAAATAACAAC AGAGACTTCTTTGTCCATGCCCGCTTTACAAGTTGGTTCTGGTTGCCGCCGGTGAGAGG GGCTTCGGGGGACCGGACCGGAAGACACGTGCGGATCGCAAGATACCTTGATCACGGTTT GCGCGGGCCCAATTTCTGATGCATTGCGGAGTGATGTCGTTATCCACACGCATGCGGA GGACCTGCGCGGGCGCCGTCCGCGTGCGGCCACTTGCGGGCTCTCCAGGGTCTGGGCGG ATGTAGCGCG
Restriction Sites:	NotI-NotI
ACCN:	NM_001166
Insert Size:	4500 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_001166.3</u> , <u>NP_001157.1</u>
RefSeq Size:	3753 bp
RefSeq ORF:	1857 bp
Locus ID:	329
UniProt ID:	<u>Q13490</u>
Cytogenetics:	11q22.2
Domains:	CARD, 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: The protein encoded by this gene is a member of a family of proteins that inhibits apoptosis by binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2, probably by interfering with activation of ICE-like proteases. This encoded protein inhibits apoptosis induced by serum deprivation and menadione, a potent inducer of free radicals. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]
Transcript Variant: This variant (1) is the predominant transcript. Variants 1 and 2 encode the same isoform (1).