

Product datasheet for **RC234455**

cIAP1 (BIRC2) (NM_001256166) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | cIAP1 (BIRC2) (NM_001256166) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | cIAP1 |
| Synonyms: | API1; c-IAP1; cIAP1; Hiap-2; HIAP2; MIHB; RNF48 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>RC234455 representing NM_001256166
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTACATATTCAACTTTCCCGCCGGGGTGCCTGTCTCAGAAAGGAGTCTTGCTCGTCTGTTT
 ATTATACTGGTGTGAATGACAAGGTCAAATGCTTCTGTTGTGGCCTGATGCTGGATAACTGGAACTAGG
 AGACAGTCCTATTCAAAAGCATAAACAGCTATATCCTAGCTGTAGCTTTATTTCAGAACTCGTGTTCAGCT
 AGTCTGGGATCCACCTCTAAGAATACGTCTCCAATGAGAAACAGTTTTGCACATTCATTATCTCCACCT
 TGGAAACATAGTAGCTTGTTCAGTGGTCTTACTCCAGCCTTTCTCCAAACCCTCTAATTCTAGAGCAGT
 TGAAGACATCTTTCATCGAGGACTAACCCCTACAGTTATGCAATGAGTACTGAAGAAGCCAGATTTCTT
 ACCTACCATATGTGGCCATTAACTTTTTGTACCATCAGAATGGCAAGAGCTGGTTTTTATTATATAG
 GACCTGGAGATAGGGTAGCCTGCTTTCCTGTGGTGGGAAGCTCAGTAAGTGGGAACCAAGGATGATGC
 TATGTCAGAACACCGGAGGCATTTTCCCAACTGTCCATTTTGGAAAATTCTCTAGAAAACCTGAGGTTT
 AGCATTTCAAATCTGAGCATGCAGACACATGCAGCTCGAATGAGAACATTTATGTACTGGCCATCTAGTG
 TTCCAGTTCAGCCTGAGCAGCTTCAAGTGTGGTTTTTATTATGTGGTTCGCAATGATGATGTCAAATG
 CTTTTGTGTGATGGTGGCTTGGAGTGTGGGAATCTGGAGATGATCCATGGGTAGAACATGCCAAGTGG
 TTTCCAAGGTGTGAGTCTTGTACGAATGAAAGGCCAAGAGTTTGTGATGAGATCAAGGTAGATATC
 CTCATCTTCTTGAACAGCTGTTGTCAACTTCAGATACCACTGGAGAAGAAAATGCTGACCCACCAATTAT
 TCATTTGGACCTGGAGAAAGTTCTTCAGAAGATGCTGTCATGATGAATACACCTGTGGTTAAATCTGCC
 TTGGAAATGGGCTTTAATAGAGACCTGGTGAACAAACAGTTCAAAGTAAAATCCTGACAACCTGGAGAGA
 ACTATAAAACAGTTAATGATATTGTGTCAGCAGCTTCTTAATGCTGAAGATGAAAAAGAGAGAGGAGAA
 GGAAAAACAAGCTGAAGAAATGGCATCAGATGATTTGTCATTAATTCGGAAGAACAAGATGGCTCTCTTT
 CAACAATTGACATGTGTGCTTCTATCCTGGATAATCTTTTAAAGCCAATGTAATTAATAAACAGGAAC
 ATGATATTATAAAACAAAAACACAGATACCTTTACAAGCGAGAGAACTGATTGATACCATTTTGGTTAA
 AGGAAATGCTGCGGCCAACATCTTCAAAAAGTGTCTAAAAGAAATGACTCTACATTGTATAAGAACTTA
 TTTGTGGATAAGAATATGAAGTATATCCAACAGAAGATGTTTCAGGCTGTCTACTGGAAGAACAATTGA
 GGAGTTGCAAGAAGAACGAACCTGTAAGTGTGTATGGACAAAGAAGTTTCTGTTGATTTATTCCTTG
 TGGTCATCTGGTAGTATGCCAGGAATGTGCCCTTCTCTAAGAAAATGCCCTATTTGCAGGGGTATAATC
 AAGGGTACTGTTCTGATCTTCTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234455 representing NM_001256166
 Red=Cloning site Green=Tags(s)

MSTYSTFPAGVPVRSRLARAGFYTGVDKVKFCFCCGLMLDNWKLGDSPIQKHKQLYPCSFQNLVSA
 SLGSTSKNTSPMRNSFAHSLSPBLEHSSLSFGSYSSLSPNPLNSRAVEDISSRTNPYSYAMSTEEARFL
 TYHMWPLTFLSPSELARAGFYIIGPDRVACFACGGKLSNWEPKDDAMSEHRRHFPNCPFLENSETLRF
 SISNLSMQTHAARMRTFMYWSSVPVQPEQLASAGFYVGRNDDVKFCFCCDGLRCWESGDDPWVEHAKW
 FPRCEFLIRMKGQEFVDEIQGRYPHLLLEQLLSTSDTTGEENADPPIIHFPGESSSEDAVMNTPVVKSA
 LEMGFNRDLVKQTVQSKILTTGENYKTVNDIVSALLNAEDEKREEEKEKQAEEMASDDLIRKNRMALF
 QQLTCVLPILDNLLKANVINKQEHDIIKQKTQIPLQARELIDTILVKGNAANIFKNCLKEIDSTLYKNL
 FVDKNMKYIPTEDVSGLSLEEQLRRLQEERTCKVCMDEKVSVMFIPCGHLVVCQECAPSLRKCPICRGII
 KGTVRTFLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001256166

ORF Size: 1707 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:**
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: [NM_001256166.2](#)

RefSeq Size: 2408 bp

RefSeq ORF: 1710 bp

Locus ID: 329

UniProt ID: [Q13490](#)

Cytogenetics: 11q22.2

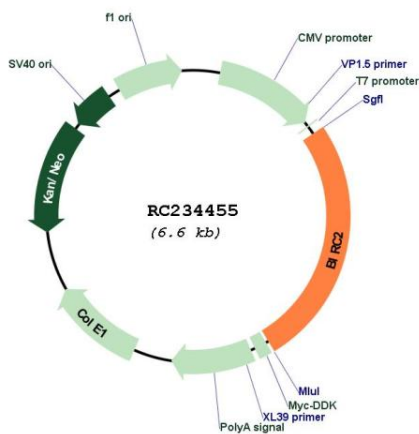
Protein Families: Druggable Genome

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

MW: 64.5 kDa

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]

Product images:



Circular map for RC234455