

Product datasheet for **RC207764**

clAP2 (BIRC3) (NM_001165) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	clAP2 (BIRC3) (NM_001165) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BIRC3
Synonyms:	AIP1; API2; c-IAP2; CIAP2; HAIP1; HIAP1; IAP-1; MALT2; MIHC; RNF49
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC207764 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACATAGTAGAAAACAGCATATTCTTATCAAATTTGATGAAAAGCGCCAACACGTTTGAACGAAAT
 ACGACTTGTGTCATGGAAGTGTACCGAATGTCTACGTATTCACACTTTTCTGCTGGGGTTCCTGTCTCAGA
 AAGGAGTCTTGCTCGTGTGTTTCTATTACACTGGTGTGAATGACAAGGTCAAATGCTTCTGTTGTGGC
 CTGATGCTGGATAACTGGAAAAGAGGAGACAGTCTACTGAAAAGCATAAAAAAGTTGTATCCTAGCTGCA
 GATTCTGTTAGAGTCTAAATTCGGTAAACAACCTTGAAGTACCTCTCAGCCTACTTTTCTTCTTCTCAGT
 AACAAATCCACACACTCATTACTTCCGGGTACAGAAAACAGTGGATATTTCCGTGGCTCTTATTCAAAC
 TCTCCATCAAATCCTGTAACCTCCAGAGCAAATCAAGATTTTTCTGCCTTGATGAGAAGTCTTACCCT
 GTGCAATGAATAACGAAAATGCCAGATTACTTACTTTTTCAGACATGGCCATTGACTTTTCTGTGCGCAAC
 AGATCTGGCAAAAAGCAGGCTTTTACTACATAGGACCTGGAGACAGAGTGGCTTGTCTTCCGTGTGGTGA
 AAATTGAGCAATTGGGAACCGAAGGATAATGCTATGTCAGAACACCTGAGACATTTTCCCAAATGCCAT
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 CCGCTTTAAAACATTCTTAACTGGCCCTCTAGTGTCTAGTAACTCCTGAGCAGCTTGAAGTGGGGT
 TTTTATTATGTGGGTAACAGTGTATGTCAAATGCTTTTGTGTGATGGTGGACTCAGGTGTTGGGAAT
 CTGGAGATGATCCATGGGTTCAACATGCCAAGTGGTTTCAAGGTGTGAGTACTTGATAAGAATTAAGG
 ACAGGAGTTATCCGTCAAGTCAAGCCAGTACCCTCATCTACTGAAACAGTGTCTATCCACATCAGAC
 AGCCCAGGAGATGAAAATGCAGAGTCAATCAATTATCCATTTTGAACCTGGAGAAGACCATTGAGAAGATG
 CAATCATGATGAATACTCCTGTGATTAATGCTGCCGTGGAATGGGCTTATAGTAGAAGCCTGGTAAAACA
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 CTAATGCAGAAGATGAAATAAGGGAAGAGGAGAGAGAAAAGCAACTGAGGAAAAAGAATCAAATGATT
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 TCTACTAACTGCCGAATTATTAATGAACAAGAACATGATGTTATTAACAGAAGACACAGAGCTTTTA
 CAAGCAAGAGAACTGATTGATACGATTTTAGTAAAAGGAAATATTGCAGCCACTGTATTCAGAACTCTC
 TGCAAGAAGCTGAAGCTGTGTTATATGAGCATTATTTGTGCAACAGGACATAAAAATATATTTCCACAGA
 AGATGTTTCAGATCTACCAGTGAAGAACAATTGCGGAGACTACAAGAAGAAAGAACATGAAAGTGTGT
 ATGGACAAAGAAGTGTCCATAGTGTATTCCTTGTGGTCACTAGTAGTATGCAAGATTGTGCTCCTT
 CTTAAGAAAGTGTCTATTTGTAGGAGTACAATCAAGGGTACAGTTCGTACATTTCTTTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207764 protein sequence
 Red=Cloning site Green=Tags(s)

MNIVENSIFLSNLMKSANTFELKYDLSCELYRMYSTYTFPAGVPSERSLARAGFYITGVNDKVKCFCCG
 LMLDNWKRGDSPTEKHKLYPSCRQVSLNSVNNLEATSQPTFPSSVTNSTHLLPGTENSIFYFRGYSYN
 SPSNPVNSRANQDF SALMRSSYHCAMNNENARLLTFQWPLTFLSPTDLAKAGFYIIGPDRVACFACGG
 KLSNWEPKDNAMSEHLRHFPCPFIEQLQDTSRYTVSNLSMQTHAARFKTFNWPSSVLVNPEQLASAG
 FYYVGNSSDDVKCFCCDGLRCWESGDDPWQHAKWFPRCEYLIRIKGQEFIRQVQASYPHLLEQLLSTSD
 SPGDENAESSIIHFEPGEDHSEDAIMMNTPVINAAVEMGFSRSLVKQTVQRKILATGENYRLVNDLVLDL
 LNAEDEIREEERERATEEKESENDDLLIRKNRMALFQHLTCVIPILDSLLTAGIINEQEHDVIKQKTQSL
 QARELIDTILVKGNIATVFRNSLQEAVALYEHLFVQQDIKIYPTEDVSDLPVEEQLRRLQEERTCKVK
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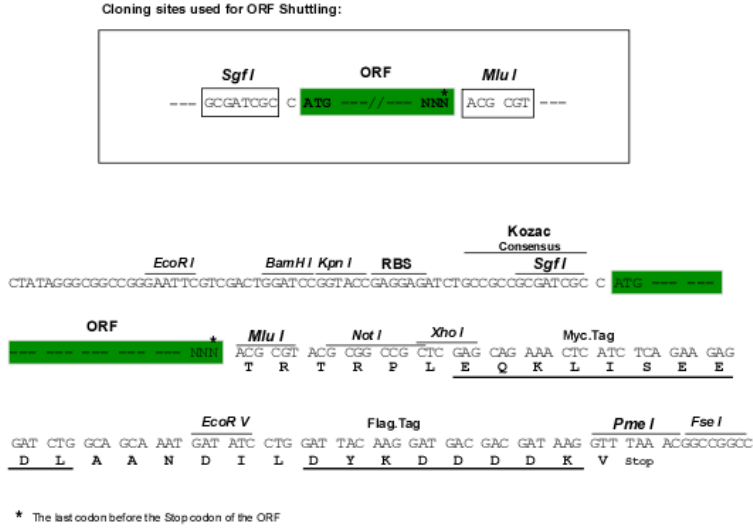
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Chromatograms:

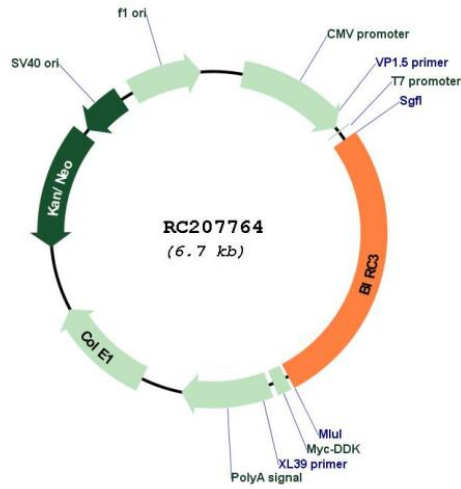
https://cdn.origene.com/chromatograms/mk6236_b10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



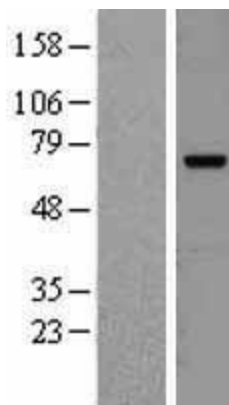
Plasmid Map:



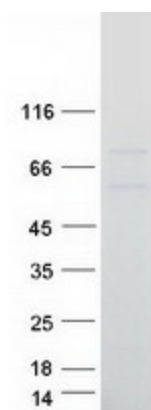
ACCN: NM_001165

ORF Size: 1812 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.
RefSeq:	NM_001165.5
RefSeq Size:	6932 bp
RefSeq ORF:	1815 bp
Locus ID:	330
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
MW:	68.4 kDa
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]

Product images:


Western blot validation of overexpression lysate (Cat# [LY420093]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207764 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BIRC3 protein (Cat# [TP307764]). The protein was produced from HEK293T cells transfected with BIRC3 cDNA clone (Cat# RC207764) using MegaTran 2.0 (Cat# [TT210002]).