

Product datasheet for **RR202683**

Xiap (NM_022231) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xiap (NM_022231) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Xiap
Synonyms:	Api3; Birc4; riap3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR202683 representing NM_022231
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTTTTAACAGTTTTGAAGGATCTAGAAGTGTGTACCTGCAGACACCAATAAGGATGAAGAATTTG
 TAGAAGAGTTTTAATAGATTAACAAACATTTGCTAACTTCCCAAGCAGCAGTCCTGTTTCAGCATCAACATT
 GGCGCAGCGGGGTTTCTCTACACTGGTGAAGGAGACACCGTGCAGTGTTCAGTTGTCACGCGGCAGTA
 GATAGATGGCAGTATGGAGACTCAGCTGTTGGAAGACACAGGAGAATATCCCAAATTCAGATTTATCA
 ATGGTTTTTATTTGAAAACGGTGCCACACAGTCTACATCTCCTGGCATCCAAAATGGCCAGTACAAATC
 TGAAAACGTGTGGGAAACAGAAATCATTTTGTCTTGACAGGCCGTGGAGACTCATGCAGATTATCTC
 CTGAGAAGTGGACAGTTGTAGATATTTAGATACCATATACCCGAGGAACCCGGCCATGTGTAGTGAAG
 AAGCCAGACTGAAGACGTTTCAGAACTGGCCAGACTATGCCATTTAAGCCCCAGAGAGTTAGCTAGTGC
 TGGACTCTACTACACGGGATTGATGATCAAGTCAATGCTTTTGTGTGGTGGAAAACGAAAAATTGG
 GAACCCTGTGACCGTGCCTGGTCAGAGCACAGGAGACACTTTCCAACTGCTTCTCGTTTTGGGCCGGA
 ATGTTAATGTTTCAAGTGAAGTCTGGTGTGAGTTAGATAGGAATTTCCAAATTCACAAATTTCTCCAAG
 AAATCCAGCCATGGCAGAATATGACGCACGGATCGTTACTTTTGGAAATGGCTATACTCAGTTAAACAAG
 GAGCAGCTTGAAGAGCTGGATTTATGCTTTAGGTGAAGGTGATAAAGTGAAGTCTTTCACTGTGGAG
 GAGGGCTCACGGATTGGAAGCCAAGTGAAGACCCTTGGGAACAGCATGCTAAGTGGTATCCAGGGTGTA
 ATATCTATTGGATGAGAAGGGACAAGAATATAAATAATATTCATTTAACCCATTCAGTTGGGGAACTCT
 GTGGTAAGAAGTCTGAAAAACACCATCAGTAACTAAAAAATCGATGATACCATCTTCCAGAATCCTA
 TGTTGCAAGAAGCTATACGAATGGGATTCAACTCAAGGACATCAAGAAAACAATGGAAGAAAAGTCCA
 AACATCTGGGAGCAACTATCTATCACTTGAAGTTCTGATTGCAGATCTTGTGAGTGTCTCAGAAAGATAAT
 TCGCAGGATGAGTCAAGTCAAGTCAAGTTCATTGCAGAAAGACATCAGTACTGAAGAGCAGCTAAGCGCCTAC
 AAGAGGAGAAGCTTTGCAAAATCTGTATGGATAGAAAATTTGCTATAGTTTTTGTCTTGTGGACATCT
 GGTCACTTGTAACAGTGTGCGGAAGCAGTTGACAAATGTCCCATGTGCTGCACAGTCATTACGTTCAAG
 CAAAAATTTTTATGTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202683 representing NM_022231
 Red=Cloning site Green=Tags(s)

MTFNSFEGRSRTVVPADTNKDEEFVEEFNRLKTFANFPSSSPVSASTLARAGFLYTGEGDTVQCFSCHAAV
 DRWQYGD SAVGRHRRISPNCRFINGFYFENGATQSTSPGIQNGQYKSENCVGNRNHFALDRPSETHADYL
 LRTGQVVDISDTIYPRNPAMCSEEARLKTQFNWPDYAHLSPRELASAGLYTGDIDQVQFCFCGGKLNW
 EPCDRAWSEHRRHFPNCFVLRNVNVRSESGVSSDRNFPNSTNSPRNPAMAEDARIVTFGTWLYSVNK
 EQLARAGFYALGEGDKVKCFHCGGLTDWKPSEDPWEQHAKWYPGCKYLLDEKQGEYINNIHLTHSLGES
 VVRTAEKTPSVTKKIDDTIFQNPMVQEAIRMGFNFKDIKKTMEELQTSGSNYLSLEVLIALVSAQKDN
 SQDESSQTSLQKDI STEEQLRRLQEEKLCIKMDRNIAIVFVPCGHLVTCKQCAEAVDKCPMCCTVITFK
 QKIFMS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2018_d08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_022231

ORF Size: 1488 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_022231.2](#), [NP_071567.1](#)

RefSeq Size: 2469 bp

RefSeq ORF: 1491 bp

Locus ID: 63879

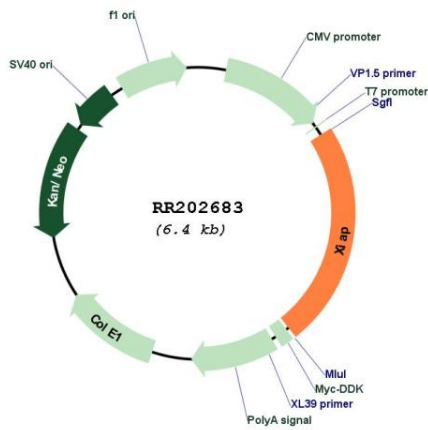
UniProt ID: [Q9R0I6](#)

Cytogenetics: Xq35

MW: 56.5 kDa

Gene Summary: involved in directly inhibiting key apoptotic proteases, caspase 3 and 7 and is involved in maintenance of corpus luteum function and demise [RGD, Feb 2006]

Product images:



Circular map for RR202683