

Product datasheet for **MR227555**

Xiap (NM_009688) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xiap (NM_009688) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Xiap
Synonyms:	1110015C02Rik; A; Aipa; Api3; Bir; Birc4; I; IAP3; IL; ILP-1; MIHA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR227555 representing NM_009688
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTTTTAACAGTTTTGAAGGAAGTAACTTTTGTACTTGCAGACACCAATAAGGATGAAGAATTTG
 TAGAAGAGTTTAATAGATTAATAACATTTGCTAACTTCCCAAGTAGTAGTCTGTTTCAGCATCAACATT
 GGCGCGAGCTGGGTTTCTTTATACCGGTGAAGGAGACACCGTGCATGTTTCAGTTGTATGCGGCAATA
 GATAGATGGCAGTATGGAGACTCAGCTGTTGGAAGACACAGGAGAATATCCCAAATTCAGATTATCA
 ATGGTTTTTATTTGAAAATGGTGTGCACAGTCTACAAATCCTGGTATCCAAAATGGCCAGTACAAATC
 TGAAACTGTGTGGAAATAGAAATCCTTTGCCCTGACAGGCCACCTGAGACTCATGCTGATTATCTC
 TTGAGAACTGGACAGTTGTAGATTTTACAGACCCATATACCCGAGGAACCTGCCATGTGTAGTGAAG
 AAGCCAGATTGAAGTCATTTCAGAACTGGCCGGACTATGCTCATTTAACCCCGAGAGAGTGTAGTAGTGC
 TGGCCTCTACTACACAGGGGCTGATGATCAAGTCAATGCTTTTGTGTGGGGAAAAGTAAAAATTTGG
 GAACCCTGTGATCGTGCCTGGTCAAGACACAGGAGACACTTTCCCAATTGCTTTTTTGTGGCCGGA
 ACGTTAATGTTTCAAGTGAATCTGGTGTGAGTTCTGATAGGAATTTCCAAAATCAACAACTCTCCAAG
 AAATCCAGCCATGGCAGAATATGAAGCACGGATCGTTACTTTTGGAACTGGACATCCTCAGTTAAACAAG
 GAGCAGCTTGAAGAGCTGGATTTATGCTTTAGGTGAAGGCGATAAAGTGAAGTGTCTTCACTGTGGAG
 GAGGGCTCACGGATTGGAAGCCAAGTGAAGACCCTTGGGAACAGCATGCGAAGTGGTACCCAGGGTGCAA
 ATACCTATTGGATGAGAAGGGGCAAGAATATAAATAATATTCATTTAACCCATCACTTGAGGAATCT
 TTGGGAAGAACTGCTGAAAAACACCATCGCTAACTAAAAAATCGATGATACCATCTTCCAGAAATCCTA
 TGTTGCAAGAAGCTATACGAATGGGATTTAGCTTCAAGGACATTAAGAAAACAATGGAAGAAAAATCCA
 AACATCCGGGAGCAGCTATCTATCACTTGAAGTCTGATTGCAGATCTTGTGAGTGTCTCAGAAAGATAAT
 ACGGAGGATGAGTCAAGTCAAACTTCATTGCAGAAAGACATTAGTACTGAAGAGCAGCTAAGGCGCTAC
 AAGAGGAGAAGCTTTGCAAAATCTGATGGATAGAAATATTGCTATCGTTTTTGTCTTGTGGACATCT
 GGTCACTTGTAAACAGTGTGCAGAAGCAGTTGACAAATGTCCCATGTGCTACACCGTCATTACGTTCAAG
 CAAAAATTTTTATGTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227555 representing NM_009688
 Red=Cloning site Green=Tags(s)

MTFNSFEGTRTFVLADTNKDEEFVEEFNRLKTFANFPSSSPVSASTLARAGFLYTGEGDTVQCFSCHAAI
 DRWQYGD SAVGRHRRISPNCRFINGFYFENGAAQSTNPGIQNGQYKSENCVGNRNPFPDRPPETHADYL
 LRTGQVVDISDTIYPRNPAMCSEEARLKSFNWPDYAHLPRELASAGLYTGADDQVQFCGGLKKNW
 EPCDRAWSEHRRHFPNCFVLGRNVNVRSESGVSSDRNFPNSTNSPRNPAMAEYEARIVTFGTWTSVVK
 EQLARAGFYALGEGDKVKCFHCGGLTDWKPSDEPWQHAHWYPGCKYLLDEKQGEYINNIHLTHSLEES
 LGRTAEKTPSLTKKIDDTIFQNPVMQEAIRMGFSFKDIKKTMEEKIQTSGSSYLSLEVLIALVSAQKDN
 TEDESSQTSLQKDI STEEQLRRLQEEKLCIKMDRNIAIVFVPCGHLVTCKQCAEAVDKCPMCYTVITFK
 QKIFMS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009688

ORF Size: 1488 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_009688.3](#), [NP_033818.2](#)
RefSeq Size: 6550 bp

RefSeq ORF: 1491 bp

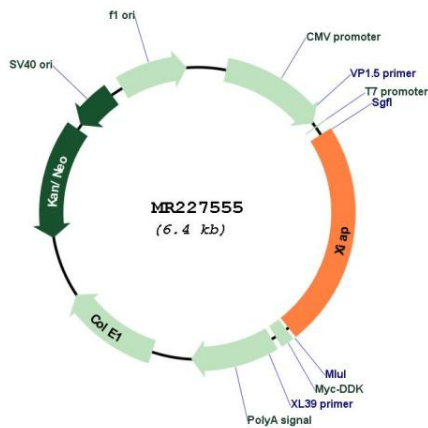
Locus ID: 11798

UniProt ID: [Q60989](#)
Cytogenetics: X A4

MW: 56.5 kDa

Gene Summary: The protein encoded by this gene is a member of the inhibitor of apoptosis (IAP) family of proteins. While first identified for its role in blocking apoptosis, this protein modulates many other signaling processes including nuclear factor kappa-light-chain-enhancer of activated B cells (NF- κ B) pathways and inflammatory responses. This protein blocks apoptosis by binding and inhibiting target caspases after they have been activated. Binding occurs to some, but not all, caspases. This protein has several conserved regions, including baculoviral IAP repeat (BIR) motifs and a RING finger E3 ligase domain. In humans, mutations in this gene are linked to immunodeficiency in X-linked lymphoproliferative syndrome type-2 (XLP-2). A pseudogene of this gene is found on chromosome 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014]

Product images:



Circular map for MR227555