

Product datasheet for **MG227555**

Xiap (NM_009688) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xiap (NM_009688) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Xiap
Synonyms:	1110015C02Rik; A; Aipa; Api3; Bir; Birc4; I; IAP3; IL; ILP-1; MIHA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG227555 representing NM_009688
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTTTTAACAGTTTTGAAGGAAGTAACTTTTGTACTTGCAGACACCAATAAGGATGAAGAATTTG
 TAGAAGAGTTTAAATAGATTAATAAACATTTGCTAACTTCCCAAGTAGTAGTCTGTTTCAGCATCAACATT
 GGCGCGAGCTGGGTTTCTTTATACCGGTGAAGGAGACACCGTGAATGTTTCAGTTGTATGCGGCAATA
 GATAGATGGCAGTATGGAGACTCAGCTGTTGGAAGACACAGGAGAATATCCCAAATTCAGATTTATCA
 ATGGTTTTTATTTTAAAATGGTGTGCACAGTCTACAAATCCTGGTATCCAAAATGGCCAGTACAAATC
 TGAAACTGTGTGGAAATAGAAATCCTTTTCCCCTGACAGGCCACCTGAGACTCATGCTGATTATCTC
 TTGAGAACTGGACAGTTGTAGATATTTACAGACCCATATACCCGAGGAACCTGCCATGTGTAGTGAAG
 AAGCCAGATTGAAGTCATTTAGAACTGGCCGGACTATGCTCATTAACCCCCAGAGAGTTAGCTAGTGC
 TGGCCTCTACTACACAGGGGCTGATGATCAAGTGAATGCTTTTGTGTGGGGAAAAGTAAAAATTTGG
 GAACCCTGTGATCGTGCCTGGTCAAGACACAGGAGACACTTTCCCAATTGCTTTTTTGTGGCCGGA
 ACGTTAATGTTTCAAGTGAATCTGGTGTGAGTTCTGATAGGAATTTCCAAAATCAACAACTCTCCAAG
 AAATCCAGCCATGGCAGAATATGAAGCACGGATCGTTACTTTTGGAAATGGACATCCTCAGTTAAACAAG
 GAGCAGCTTGAAGAGCTGGATTTATGCTTTAGGTGAAGGCGATAAAGTGAAGTCTTTCACTGTGGAG
 GAGGGCTCACGGATTGGAAGCCAAGTGAAGACCCTTGGGAACAGCATGCGAAGTGGTACCCAGGGTGCAA
 ATACCTATTGGATGAGAAGGGGCAAGAATATAAATAATATTCATTTAACCCATCACTTGAGGAATCT
 TTGGGAAGAACTGCTGAAAAACACCATCGCTAACTAAAAAATCGATGATACCATCTTCCAGAAATCCTA
 TGTTGCAAGAAGCTATACGAATGGGATTTAGCTTCAAGGACATTAAGAAAACAATGGAAGAAAAATACT
 AACATCCGGGAGCAGCTATCTATCACTTGAAGTCTGATTGCAGATCTTGTGAGTGTCTAGAAAAGATAAT
 ACGGAGGATGAGTCAAGTCAAACTTCATTGCAGAAAGACATTAGTACTGAAGAGCAGCTAAGGCGCTAC
 AAGAGGAGAAGCTTTGCAAAATCTGATGGATAGAAAATTTGCTATCGTTTTTGTCTTGTGGACATCT
 GGTCACTTGTAACAGTGTGCAGAAGCAGTTGACAAATGTCCCATGTGCTACACCGTCATTACGTTCAAG
 CAAAAATTTTTATGTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG227555 representing NM_009688
 Red=Cloning site Green=Tags(s)

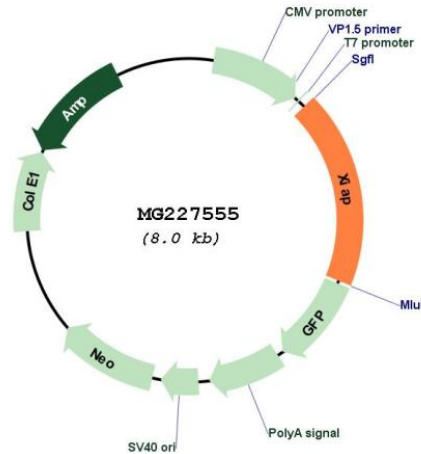
MTFNSFEGTRTFVLADTNKDEEFVEEFNRLKTFANFPSSSPVSASTLARAGFLYTGEDTVQCFSCHAAI
 DRWQYGD SAVGRHRRISPNCRFINGFYFENGAAQSTNPGIQNGQYKSENCVGNRNPFPADRPPEHADYL
 LRTGQVVDISDTIYPRNPAMCSEEARLKSFNWPDYAHLPRELASAGLYYTGADDQVQFCGCGKLNW
 EPCDRAWSEHRRHFPNCFVLRNVNVRSESGVSSDRNFPNSTNSPRNPAMAEYEARIVFTGTWTSVVK
 EQLARAGFYALGEGDKVKCFHCGGGLTDWKPSDPWEQHAKWYPGCKYLLDEKGQYINNIHLTHSLEES
 LGRTAEKTPSLTKKIDDTIFQNPMVQEAIRMGFSFKDIKKTMEEKIQTSGSSYLSLEVLIALDLSAQKDN
 TEDESSQTSLQKDI STEEQLRRLQEEKLCIKMDRNIAIVFVPCGHLVTCKQCAEAVDKCPMCTVITFK
 QKIFMS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Plasmid Map:



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

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]