

Product datasheet for **MC228029**

Xiap (NM_001301639) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xiap (NM_001301639) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Xiap
Synonyms:	1110015C02Rik; A; Aipa; Api3; Bir; Birc4; I; IAP3; IL; ILP-1; MIHA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228029 representing NM_001301639
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTTTTAACAGTTTTGAAGGAAGTAACTTTTGTACTTGCAGACACCAATAAGGATGAAGAATTTG
 TAGAAGAGTTTAATAGATTAACAAACATTTGCTAACTTCCAAGTAGTAGTCTGTTTCAGCATCAACATT
 GGCGCAGCTGGGTTTCTTTATACCGGTGAAGGAGACACCGTGAATGTTTCAGTTGTATGCGGCAATA
 GATAGATGGCAGTATGGAGACTCAGCTGTTGGAAGACACAGGAGAATATCCCAAATTCAGATTTATCA
 ATGGTTTTTATTTGAAAATGGTGTGCACAGTCTACAAATCCTGGTATCCAAAATGGCCAGTACAAATC
 TGAAACTGTGTGGAAATAGAAATCCTTTGCCCTGACAGGCCACCTGAGACTCATGCTGATTATCTC
 TTGAGAACTGGACAGTTGTAGATTTTACAGACCCATATACCCGAGGAACCTGCCATGTGTAGTGAAG
 AAGCCAGATTGAAGTCATTTCAGAACTGGCCGGACTATGCTCATTTAACCCCGAGAGAGTTAGCTAGTGC
 TGGCCTCTACTACACAGGGGCTGATGATCAAGTGAATGCTTTTGTGTGGGGAAAAGTAAAAAATTGG
 GAACCCTGTGATCGTGCCTGGTCAGAACACAGGAGACACTTTCCAATTGCTTTTTTGTGGCCCGGA
 ACGTTAATGTTTCAAGTGAATCTGGTGTGAGTTCTGATAGGAATTTCCAAAATTCACAAAATCTCCAAG
 AAATCCAGCCATGGCAGAATATGAAGCAGGATCGTTACTTTTGGAAATGGACATCCTCAGTTAACAAAG
 GAGCAGCTTGAAGAGCTGGATTTATGCTTTAGGTGAAGGCGATAAAGTGAAGTGTCTTCACTGTGGAG
 GAGGGCTCACGGATTGGAAGCCAAGTGAAGACCCTTGGGAACAGCATGCGAAGTGGTACCCAGGGTGCAA
 ATACCTATTGGATGAGAAGGGGCAAGAATATAAATAATATTCATTTAACCCATTCACTTGAGGAATCT
 TTGGGAAGAACTGCTGAAAAACACCATCGCTAACTAAAAAATCGATGATACCATCTCCAGAAATCCTA
 TGGTGAAGAAGCTATACGAATGGGATTTAGCTTCAAGGACATTAAGAAAACAATGGAAGAAAAATCCA
 AACATCCGGGAGCAGCTATCTATCACTTGAGGTCCTGATTGCAGATCTTGTGAGTGTCTCAGAAAGATAAT
 ACGGAGGATGAGTCAAGTCAAATTCATTGCAGAAAGACATTAGTACTGAAGAGCAGCTAAGGCGCTAC
 AAGAGGAGAAGCTTTGCAAAATCTGTATGGATAGAAATATTGCTATCGTTTTTGTCTTGTGGACATCT
 GGTCACTTGTAACAGTGTGCAGAAGCAGTTGACAAATGTCCCATGTGCTACACCGTCATTACGTTCAAG
 CAAAAATTTTTATGCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001301639
- Insert Size:** 1491 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001301639.1](#), [NP_001288568.1](#)

RefSeq Size: 6694 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]

Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.