

Product datasheet for **SC112815**

MAP1 (MOAP1) (NM_022151) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP1 (MOAP1) (NM_022151) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAP1
Synonyms:	MAP-1; PNMA4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112815 sequence for NM_022151 edited (data generated by NextGen Sequencing)

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ATGACTTTGAGGCTTTTAGAAGACTGGTGCAGGGGGATGGACATGAACCCTCGGAAAGCG  
CTATTGATTGCCGCATCTCCCAGAGCTGCAGTGTGGCAGAAATCGAGGAGGCTCTGCAG  
GCTGGTTTAGCTCCCTTGGGGGAGTACAGACTGCTTGAAGGATGTTTCAGGAGGGATGAG  
AACAGGAAAGTAGCCTTAGTAGGGCTTACTGCGGAGACTAGTCACGCCCTGGTCCCTAAG  
GAGATACCGGAAAAGGGGGTATCTGGAGAGTGATCTTTAAGCCCCCTGACCCAGATAAT  
ACATTTTTAAGCAGATTAATGAATTTTTAGCGGGAGAGGGCATGACAGTGGGTGAGTTG  
AGCAGAGCTCTTGGACATGAAAATGGCTCCTTAGACCCAGAGCAGGGCATGATCCCGAA  
ATGTGGGCCCTATGTTGGCACAGGCATTAGAGGCTCTTCAGCCTGCCCTGCAATGCTTG  
AAGTATAAAAAGCTGAGAGTGTTCTCGGGCAGGGAGTCTCCAGAACCAGGAGAAGAAGAA  
TTTGGACGCTGGATGTTTCATACTACTCAGATGATAAAGGCGTGGCAGGTGCCAGATGTA  
GAGAAGAGAAGGCGATTGCTAGAGAGCCTTCGAGGCCAGCACTTGATGTTATTTCGTGTC  
CTCAAGATAAACAATCCTTTAATTACTGTGCGATGAATGTCTGCAGGCTCTTGAGGAGGTA  
TTTGGGGTTACAGATAATCCTAGGGAGTTGCAGGTCAAATATCTAACCCTTACCAGAAG  
GATGAGGAAAAGTTGTCGGCTTATGTAATAAGGCTGGAGCCTTTGTTACAGAAGCTGGTA  
CAGAGAGGAGCAATTGAGAGAGATGCTGTGAATCAGGCCCGCCTAGACCAAGTCATTGCT  
GGGGCAGTCCACAAAACAATTCGCAGAGAGCTTAATCTGCCAGAGGATGGCCAGCCCCCT  
GGTTTCTTGCAGTTATTGGTACTAATAAAGGATTATGAGGCAGCTGAGGAGGAGGAGGCC  
CTTCTCCAGGCAATATTGGAAGGTAATTTACCTGA
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Clone variation with respect to NM_022151.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_022151 unedited</p> <pre>GTTTCGCATTTGTATACGACTCCTATAGGCGGCCCGCAATTCGCACGAGGGTCGGGGCCC GGCCAGGCACCTTGGCCGCCGGCGCACGGACGCGGGCAGCAGACTAGATCACGGCTGCT GGACCTCGGCACGTTGACAAGATTTCTCTGGGGTACC GCGGAGGATTACTTTGAATTTCCG GTGGTCGCCTGTGGTCTGGCATATTTAGAACTTAAGTCTATTATTTCCGGGCACCATGACT TTGAGGCTTTTAGAAGACTGGTGCAGGGGGATGGACATGAACCTCGGAAAGCGCTATTG ATTGCCGGCATCTCCCAGAGCTGCAGTGTGGCAGAAATCGAGGAGGCTCTGCAGGCTGGT TTAGTCCCTTGGGGAGTACAGACTGCTTGAAGGATGTTTCAGGAGGGATGAGAACAGG AAAGTAGCCTTAGTAGGGCTTACTGCGGAGACTAGTCACGCCCTGGTCCCTAAGGAGATA CCGGGAAAAGGGGTATCTGGAGAGTGATCTTTAAGCCCCCTGACCCAGATAATACATTT TTAAGCAGATTAATGAATTTTTAGCGGGAGAGGGCATGACAGTGGGTGAGTTGAGCAGA GCTCTTGACATGAAAATGGCTCCTTAGACCCAGAGCAGGGCATGATCCCGAAAATGTGG GCCCTATGTTGGCACAGGCATTAGAGGCTCTTCAGCCTGCCCTGCAATGCTTGAAGTAT AAAAGCTGAGAGTGTTCCTCCGGCAGGGAGTCTCCAGAACCAGGAGAAGAAGATTTGNACG CTGGATGTTTATACTACTCAGATGATAAAAGCGTTGCAGGTGCCAGATGTANAGAAGAGA GGCCGATGCTAGAGAGCCTTCGAGCCCAGCACTGATGTATTCTGGCCTCAAGAAACCATC CTTTATTACTGCG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_022151 unedited</p> <pre>GCCGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTATTAGCATTCTTTATTTTAGAA GTTTCACACCTATAATTTTATAACAATCGTGAAAATGTTACTCAGAACTAGATGTTTTGA TGACACATAGCAGAAATCTGTGGTTCAAGATGGTCATTGCAAACCTAACCAATCTCAGCA TTCTATTCTGCCTTTTGTGTTGATTGCACAGAATCAATATAATTCTGATTCATATGGAAA ATAACTTAATATCTTAACTCCGCTCAGGATCTTCATCATAAATGTAGGTCAGTACATAC CTAAAAATTGTCAATGATCCAACATGGTCACATGTGACATGCTACACTTGACCTAGTAC CAAACAAGCTGATACTTCAATGAGATCTGGTTGGCATATACACCAAGCCTTGTCTGTCC CCTCAGAGCACTGCACACAGATAGTGAAAGAAGCTGTGTACAATAAGAAATTCACAGGGA TGAGGCTGGGCGCAGTGTCTCACGCCTGTAATCCCAGCACTTTCAGAGGCCGAAGCAGGT GGATCACTTGAGGTCAGGAGTTCGAAACTAGCCTGGCCAACATGGTGAAACCCCGTCTCT ACTGATAATGCAAACCTAGCTGGGCGTGGTGGCACATGCCTGTAGTCCCAGCTACTCGG GCAACTGAGGCAGGAGAATAGCTTAAACCTGGAAGGCGANGATGCAGTGAGCCAAAGATC ACGCCACTGCACCTCCAGCCTGGGTGACAGAGCGAGACTCTGTCTCAACACCACCCACAAG ATATTCCAAGGATGAATCTAATAGGTAATGGCAGTGTAGACTACATCCTTCTAGTCATT ACACTTTNAGAGACTCTAATAGGCCAGAACGACAAGNNCTAACTGAGAAATGCCANAATG AGTACTTGACAGCAGGATAGGATGTAGTGTACAGAGTTATGACTGTCTACTCATGCCTAC TATGCTACCTCCNGTCTGAACTA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_022151
Insert Size:	2210 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).
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_022151.4](#), [NP_071434.2](#)

RefSeq Size: 2435 bp

RefSeq ORF: 1056 bp

Locus ID: 64112

UniProt ID: [Q96BY2](#)

Cytogenetics: 14q32.12

Gene Summary: The protein encoded by this gene was identified by its interaction with apoptosis regulator BAX protein. This protein contains a Bcl-2 homology 3 (BH3)-like motif, which is required for the association with BAX. When overexpressed, this gene has been shown to mediate caspase-dependent apoptosis. [provided by RefSeq, Jul 2008]