

Product datasheet for **SC113640**

MACO1 (NM_018202) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MACO1 (NM_018202) Human Untagged Clone
Tag:	Tag Free
Symbol:	MACO1
Synonyms:	MACOILIN; TMEM57
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113640 sequence for NM_018202 edited (data generated by NextGen Sequencing)

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ATGAAGCGGCGGAACGCCGACTGCAGTAAGCTCCGCCGCCCTAAAGCGGAACCGGATC
ACCGAGGGCATTACGGCAGTACATTTTATACCTGAAATTCCTGGTGGTGTGGCACTT
GTCCTCCTAGCAGATTTTGTCTGGAGTTCAGATTTGAATACCTGTGGCATTCTGGCTT
TTCATCAGAAGCGTCTATGATTCCTTCAGATACCAGGGACTGGCCTTCTCAGTATTTTT
GTTTGTGTAGCATTACGTCAAATATAATATGCCTGCTGTTTCATCCCCATACAGTGGCTT
TTTTTGTCTGCTAGCACATATGTATGGGTTCAGTACGTATGGCACACAGAAAGGGAGTG
TGTTTGCCTACAGTGTCTCTCTGGATCCTCTTTGTTTATATTGAAGCAGCCATTAGATT
AAAGATCTCAAAAACCTTCATGTAGACCTTTGTCGTCCATTTGCTGCTCACTGTATTGGG
TACCCTGTGGTAACTTTGGGTTTGGCTTCAAAAGTTACGTAAGCTACAAAATGCGGTTA
AGGAAGCAAAAAGAGTACAAAAGAGAACGAGTTTACATGCAACTTCTTCAACAAGCT
CTCCCTCCAGAGCAACAGATGCTACAGAAGCAAGAAAAAGAGGCCGAGGAAGCAGCCAAA
GGATTACCTGATATGGATTCTTCGATCCTTATACACCACAATGGAGGTATCCAGCCAAC
AAAAAATCTCCACAACCTTGGCAGAGATAGAATACCGAGAAAAAGGAAAGAAAAGGAC
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GACGCACTGGTCAGGCTGGAACAAGACATTAATAAGTTAAAGGCTGACCTGCAAGCCAGC
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ATCCGCTCAGAAATGGGCCAGCTTCGGCAGGAGAACGAGCTGCTGCAGAACAAAGTTACAT
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GAATGCACCGAAACCTTACGGAATCGGATCAGAGAACTAGAAGCAGAGGGCAAGAAGCTC
ACGATGGACATGAAGGTGAAAGAAGACCAAAATCAGAGAACTAGAATAAAAGTCCAGGAG
CTTCGGAATATAAGGAAATGAGAAGGACACTGAGGTGTTAATGTCAGCCCTCTCAGCC
ATGCAAGACAAAACACAGCACCTGGAGAACAGCTTAAGTGCAGAGACGAGAATCAAGCTG
GACCTGTTCTCCGCACTGGGCGATGCAAAGCGGCAGCTCGAGATTGCCCAAGGACAAATC
CTTCAGAAAGATCAGGAAATCAAGGACCTAAAACAGAAGATAGCCGAAGTCATGGCCGTC
ATGCCCAGCATAACATACAGTGCCGCCACCAGCCCCCTGAGCCCTGTTTCCCCCACTAC
TCTTCAAATTTGTGGAGACCAGCCCCTCTGGACTTGACCCCAATGCCTCTGTTTACCAG
CCCCTGAAGAAATGA

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Clone variation with respect to NM_018202.4

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018202 unedited TACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTGACCGGCCTCAGGGGTAGA GTCCAGGCCCCGACGCGGGGCGGGCCAGCGGCGGCGGACGTGAGGTGAGAGACGGCGGCG GCGGCGCGGGCACCCGGCCCCCAGCGGGAGGATGAAGCGGCGGAACGCCGACTGCAGTA AGCTCCGCCGCCCTAAAGCGGAACCGGATCACCGAGGGCATTACGGCAGTACATTTT TATACCTGAAATTCCTGGTGGTGTGGGCACTTGTCTCCTAGCAGATTTTGTCTGGAGT TCAGATTTGAATACCTGTGGCCATTCTGGCTTTTCATCAGAAGCGTCTATGATTCCTTCA GATACCGGGACTGGCCTTCTCAGTATTTTTTGTGTGTAGCATTACAGTCAAATATAA TATGCCTGCTGTTTCATCCCCATACAGTGGCTTTTTTTGTGCTAGCACATATGTATGGG TTCAGTACGTATGGCACACAGAAAGGGGAGTGTGTTTGCCTACAGTGTCTCTCTGGATCC TCTTTGTTTATATTGAAGCAGCCATTAGATTTAAAGATCTCAAAAACCTTCATGTAGACC TTTGTCTGCCATTTGCTGCTCACTGTATTGGGTACCCTGTGGTAACTCTGGNGTTTGGCT TCAAAAGCTACGTAAGCTACAAAATGCGGTTAAGGAAGCAAAAAGAGTACCAAAAGAGA ACGAGTTTACATGCAACTTCTTCAACAAGCTCTCCCTTNCAGAGCACAGATGCTACAGA AGCCAGANAAGAGCCCGAGGAAGCAGCCAAAGGACTACTTGATATGGNATCTTCGATCC TTATACACCACAATGGGAGTATCCCCAGNCCACAAAACCTCTCCACACTTGNACAGAGAT AGAATCCCGGAACAAGGCAAGAAAGGACAAGATGCCAAACACACACCTTGGATAATAAC ACCATATCTACC
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018202 unedited CGGCCGCAATCTAGAGTCGAGNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTGAAAACCAAAATGGGTTTAAATGGGTTGGCGCAAAAAATAACTGGAAA GTTCTGGGAGGGCTTTAAAAATTTACAAAAAACTGATGGGCAGTTCTAATCAAACCT GGAAGTTATCTTTTCCCCCTTTTTAAAAATGACAACAGATACAGTTCACAAAAATACAA TAAAACTGGTTTTTATCTTGACTGCCAAAAACGCTCCTTTGCAATGCCTTCCGGGAAC CAAATTTTGGGCACAACACACAGCTGGCCTTCATTTTTTCAGGGGCTGGTAAACAGAGC GATTGGGGTCAAGTCCAGAGGGGCTGGTCTCCCCAAATTTGGAAGAATAGTGGGGGGA CAGGGCTCACGGGGCTGGTGGCGGCACTGTATGTTATGCTGGGCATGACGGCCATGACTC TGGCTATTTTCTGTGTTAAGGCCCTGATTCTGACCTTTACTGAAGAATTGCCCTGGGG CAATCTTGAGCTGCCGACTTGACTTGCCAGTGCGGAGAACCTGTCCAGCTTGATTTTCG ATTTTGCATAAACTGTTCCCCAGGGCTGGGTTTTGCTTCGATGCCTGAGAGGCTGACTT TACCCCTAGTGGCCTTTAATTTTCTTAATTTCCAAAGCCCGGACTTTAACTCAAATT TCTGAATTGGCCTTTTCCCTTAAGGCCATGGGGGCTCTGCCCTTGGTTTAAATTTCTGG AACCGATCCGAAAGGTTTGGGGTTCTCCCTAATCACCAAGAAACCCAAACCGGGCGA AAGGGCTCTTCAACCTTTCTTTTTTTTCCAAAAAGGGCTCTAAAAACATTGGTTTCT GCAATTTTACTTTTTTCCACGGGGAATGGCGTGGCTTGCCCAATGCCAAATAGGAAC TGTTTGAAAGTTTTTCTCGCAAGGGCCTTTGGGGGCCCTTTGGG
Restriction Sites:	ECorI-NOT
ACCN:	NM_018202
Insert Size:	2440 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:	<u>NM_018202.2, NP_060672.2</u>
RefSeq Size:	2416 bp
RefSeq ORF:	1995 bp
Locus ID:	55219
UniProt ID:	<u>Q8N5G2</u>
Cytogenetics:	1p36.11
Protein Families:	Transmembrane
Gene Summary:	Plays a role in the regulation of neuronal activity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.