

Product datasheet for **SC324196**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_018202.3
 CCGGCCTCAGGGGTAGAGTCCAGGCCGACGCGGGCGGGCCAGCGGCGGGCAGCTGA
 GGTGAGAGACGGCGGGCGGGCGGGCACCCGGCCCCCAGCGGGAGGATGAAGCGGCG
 GAACGCCGACTGCAGTAAGCTCCGCCGCCCCCTAAAGCGGAACCGGATCACCGAGGGCAT
 TTACGGCAGTACATTTTTATACCTGAAATTCCTGGTGGTGTGGGCACTTGCTCCTCCTAGC
 AGATTTTGTCTGGAGTTCAGATTTGAATACCTGTGGCATTCTGGCTTTTCATCAGAAG
 CGTCTATGATTCTTCAGATACCAGGACTGGCCTTCTCAGTATTTTTTGTGTGTAGC
 ATTCACGTCAAATATAATATGCCTGCTGTTTCATCCCATACAGTGGCTTTTTTTGTCTGC
 TAGCACATATGTATGGGTTCAGTACGTATGGCACACAGAAAGGGAGTGTGTTTGCTAC
 AGTGTCTCTCTGGATCCTCTTTGTTTATATTGAAGCAGCCATTAGATTTAAAGATCTCAA
 AAACCTTCATGTAGACCTTTGTCGTCCATTTGCTGCTCACTGTATTGGGTACCCTGTGGT
 AACTTTGGGGTTTGGCTTCAAAGTTACGTAAGCTACAAATGCGGTTAAGGAAGCAAAA
 AGAAGTACAAAAAGAGAACGAGTTTTACATGCACTTCTTCAACAAGCTCTCCCTCCAGA
 GCAACAGATGCTACAGAAGCAAGAAAAAGAGGCCGAGGAAGCAGCCAAAGGATTACCTGA
 TATGGATTCTTCGATCCTTATACACCACAATGGAGGTATCCAGCCAACAAAAAAGCTCTC
 CACAACCTTGCCAGAGATAGAATACCGAGAAAAAGGGAAAGAAAAAGGACAAGGATGCCAA
 AAAACACAACCTTGAATAAATAACAACAATATTCTACAACCTGTAGACTCTAAAATACA
 AGAGATTGAGTATATGGAAGACCATATCAATAGTAAAGATTAATAATGATCTTGTGGG
 AAGTACAGAAAATCTCTTGAAAGAGGACTCATGCACTGCTTCTCAAAAAATTACAAAAA
 TGCCAGTGGAGTTGTGAACCTTTCACCTCGAAGTCATAGCGCCACAAATGGGAGCATTCC
 TTCCTCATCTAGTAAAAATGAGAAGAAGCAGAAATGCACTAGCAAGAGCCCAAGTACACA
 CAAGGACTTAATGAAAACTGTATTCTAATAACCAGCTAAGCAAACAGACGCACTGGT
 CAGGCTGGAACAAGACATTAAAAAGTTAAAGGCTGACCTGCAAGCCAGCAGACAAGTGGA
 ACAAGAGCTCCGCACTCAGATCAGCTCCCTTTCGAGCACCGAGCGAGGGATCCGCTCAGA
 AATGGGCCAGCTTCGGCAGGAGAACGAGCTGCTGCAGAACAGTTACATAATGCTGTGCA
 AATGAAGCAAAAAGACAAGCAGAAATATCAGCCAGTTGGAGAAAAAGCTAAAAGCTGAGCA
 GGAAGCCCGAAGTTTGTAGAGAAACAGTTAATGGAAGAGAAAAAGGAAGAAGTTAGA
 AGAAGCCACTGCTGCCCGGGCTGTTGCGTTTGTGCTGCTGCATCTAGGGGAGAAATGCACCGA
 AACCTTACGGAATCGGATCAGAGAACTAGAAGCAGAGGGCAAGAAGCTCACGATGGACAT
 GAAGGTGAAAGAAGACCAATCAGAGAACTAGAATAAAAGTCCAGGAGCTTCGGAATA
 TAAGGAAATGAGAAGGACACTGAGGTGTTAATGTCAGCCCTCTCAGCCATGCAAGACAA
 AACACAGCACCTGGAGAACAGCTTAAGTGCAGAGACGAGAATCAAGCTGGACCTGTTCTC
 CGCACTGGGCGATGCAAAAGCGGCAGCTCGAGATTGCCCAAGGACAAATCCTTCAGAAAGA
 TCAGGAAATCAAGGACCTAAAACAGAAGATAGCCGAAGTCATGGCCGTCATGCCAGCAT
 AACATACAGTGCCGCCACCAGCCCCCTGAGCCCTGTTTCCCCCACTACTCTTCCAAATT
 TGTGGAGACCAGCCCCTCTGGACTTGACCCCAATGCCTCTGTTTACCAGCCCCTGAAGAA
 ATGAAGGCCAGCTGTGTGTTGTGCCCAAAATTTGGTTACCGGAAGGCATTGCAAGGAG
 CGTCTCTGGCAGTCAAGATAAAAAACAGTTTCTATTGTATTTTGTGGAAGTGTATCTGT
 TGTCATTTTTAAAAAGGGGGGAAAAAGATAACATCCAAGTCTGATTAGAAGTGGCCATCAG
 TTTTTCTGTAAATTTTTAGAAGACCTCACAGAACTTTACAGTTTATTTTTCTCGGCCAA
 CACATTAACCACTTCTTGATTCAAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_018202

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_018202.3 , NP_060672.2
RefSeq Size:	3158 bp
RefSeq ORF:	1995 bp
Locus ID:	55219
UniProt ID:	Q8N5G2
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.