

Product datasheet for SC336123

MACO1 (NM_001282564) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MACO1 (NM_001282564) Human Untagged Clone
Tag:	Tag Free
Symbol:	MACO1
Synonyms:	MACOILIN; TMEM57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336123 representing NM_001282564. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGCGGCGGAACGCGGACTGCACTAAGCTCCGCCGCCCTAAAGCGGAACCGGATCACCGAGGGC
ATTTACGGCAGTACATTTTATACCTGAAATTCCTGGTGGTGTGGGCACTTGCTCCTAGCAGATTTT
GTCCTGGAGTTTCAAGTTGAATACCTGTGGCCATTCTGGCTTTTCATCAGAAGCGTCTATGATTCCTTC
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TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001282564
Insert Size:	1314 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_001282564.1</u>
RefSeq Size:	3312 bp
RefSeq ORF:	1314 bp
Locus ID:	55219
UniProt ID:	<u>Q8N5G2</u>
Cytogenetics:	1p36.11
Protein Families:	Transmembrane
MW:	50.8 kDa
Gene Summary:	Plays a role in the regulation of neuronal activity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks two internal exons, resulting in the loss of an in-frame segment in the central coding region, compared to variant 1. The encoded isoform (b) is shorter than 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.