

Product datasheet for **SC322885**

MRO (NM_001127174) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRO (NM_001127174) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRO
Synonyms:	B29; C18orf3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC322885 representing NM_001127174. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGACCAAAGACAGAGGAGAATCCTGGGCCAGCCCTTTCCATCCCTACTTCCCAGCCCAAGCAGAAA
 AGGACATCAATGATATCTTTCTTTTCCAAGGTCTCTTGAACTGAGGTTCCAGAAGCGGGAGCCTCTG
 AAGAATGTGTTTTTCATCTTGGCAGAAAGAGCTCGGGACCCAGTGCTAAAAAGCGTCACATGGCAATG
 AGAACTTGGGAACCATGGCCTATGAAGCCCTGACAAGGTGAGAAAGTATAAGAAAATTGCTCTGAC
 CTGCTGGTGTATGACTGTATGACCCTGTGAATTTGGAAGTCATCCATGAGAGTATGAAGACTCTGACC
 GTCGTTCTGGGCAAGATCCAGGGGAAAGGTTTGGGTTCTTCTCATAGATATCACCTTCAGACCAGG
 ACTTTATTAGATGACGCTTGCAAAACAACATTTCAAGCCTGTTCTCCATATCTGAACTAAAGGAGGAA
 TACAGCTTCCAGAGTGAAGAAGATCAAAGGAACACTAAGCTCTACCAGCAGCTGAGCCACTATCATCCA
 GAGATCCTGCAGTTCTTCTACGCAAATAAAATTCTG**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001127174
Insert Size:	591 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).


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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:	<ol style="list-style-type: none"> 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_001127174.1</u>
RefSeq Size:	4895 bp
RefSeq ORF:	591 bp
Locus ID:	83876
UniProt ID:	<u>Q9BYG7</u>
Cytogenetics:	18q21.2
MW:	23 kDa
Gene Summary:	<p>This gene is specifically transcribed in males before and after differentiation of testis, and the encoded protein may play an important role in a mammalian sex determination. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) contains a distinct 5' UTR and lacks one in-frame exon, compared to variant 1. The encoded protein (isoform b) is shorter than isoform a.</p>