

Product datasheet for **SC106714**

MRO (NM_031939) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRO (NM_031939) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRO
Synonyms:	B29; C18orf3
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_031939, the custom clone sequence may differ by one or more nucleotides

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ATGGACCAAAGACAGAGGAGAATCCTGGGCCAGCCCTTTCCATCCCTACTTCCCAGCCCAAGCAGAAAA
GGACATCAATGATATCTTTCTTTTCCAAGGTCTCTTGAAACTGAGGTTCCAGAAGCGGGAGCCTCTGAA
GAATGTGTTTTTCATCTTGGCAGAAAGAGCTCGGGACCCAGTGCTAAAAAGCGTCACATGGCAATGAGA
AACTTGGGAACCATGGCCTATGAAGCCCCTGACAAGGTGAGAAAAGTATAAGAAAATTGCCTCGACCTGC
TGGTGTATGGACTGTATGACCCTGTGAATTTGGAAGTCATCCATGAGAGTATGAAGACTCTGACCCTCGT
TCTGGGCAAGATCCAGGGGAAAGGTTTGGGTTCCTTCTTCATAGATATCACCCCTCAGACCAGGACTTTA
TTAGATGACGAGAACGACAGTCTGAGATACTCGGCCTTTGTTTTGTTGGCAATTGGCTGCCTTTGCCG
GGAGGAAATGGAAAAATTTTTACCAGTCAGGTTAAGCAGACACGAGATTCCCTCCTGATCCATTTACA
GGACAGAAATCCCAGGTTGCCAAGGCTTGCAAAACAACATTTCAAGCCTGTTCTCCATATCTGAAACTA
AAGGAGGAATACAGTTCAGAGTGAAGAAGATCAAAGGAACACTAAGCTCTACCAGCAGCTGAGCCACT
ATCATCCAGAGATCCTGCAGTCTTCTACGCAAATAAAATTCTGTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_031939 unedited NNNTTCCTTACCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTA TATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGC GGCCGCGAATTCGGCACGAGGCCAGAAATTGCCATCTGCAGAATTTCTGCAGAAAAGTGTC GACCAGGCTGGCATGAGGGAAGAAGGAGGGGAAATCACAGCAAGGAGAAGGAAAAACACC TCAGCATGGCGTGGGGAAGCAAAGGAATTCAGGGCTGGGAAAAATTTAGCCGAGTCATCAC ATTTGGTACTACCCGGGAAAGCAGCCCTCCCGAGTCAGGAACGGGCTCCGGTTCATCAC GTGGCAGCCGCCTGCAGGAGCCGAGTTCCATGGACCAAAGACAGAGAGAATCCTGGGC CAGCCCTTTCCATCCCTACTTCCAGCCCAAGCAGAAAAGGACATCAATGATATCTTTT TTTTCAAAGTCTCTTGAAAAGTGGGTTCCAGAAGCGGGAGCCTCTGAAGAATGTGTTT TTCATCTTGGCAGAAAGAGCTCGGGACCCAGTGTAAAAAGCGTCACATGGCAATGAGA AACTTGGGAACCATGGCCTATGAAGCCCTGACAAGGTGAGAAAGTATAAGAAAATTGTC CTCGACCTGCTGGTGTATGGACTGTATGACCCTGTGAATTTGGAAGTCATCCATGAGAGT ATGAAGACTCTGACCGTCGTTCTGGGCAAGATCCAGGGGAAAGGTTTGGGTTCTTCTTC ATAGATATCGCCCTTTCAGACCAGGACTTTATTAGATGATGAGAACGACAGTCTGAGATAC TCGGCCTTTGTTTGTGGGCAATTGGCTGCCTTGCCGGGAGGAATGGAAAAATTTT CACCAGT
Restriction Sites:	NotI-NotI
ACCN:	NM_031939
Insert Size:	5500 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:	<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_031939.2</u> , <u>NP_114145.1</u>
RefSeq Size:	2108 bp
RefSeq ORF:	747 bp
Locus ID:	83876
UniProt ID:	<u>Q9BYG7</u>
Cytogenetics:	18q21.2

Gene Summary:

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes isoform a.