

## Product datasheet for RC225243

### MRO (NM\_001127175) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MRO (NM\_001127175) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** MRO  
**Synonyms:** B29; C18orf3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC225243 representing NM\_001127175  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGCGTGGGGAAGCAAAGGAATTCAGGGCTGGGAAATTTAGCCGAGTCATCACATTTGGCTACTACCC  
 GGGAAAGCAGCCCTCCCGAGTCAGGAACGGGCTCCGGTTCATCACGTGGCAGCCGCTGCAGGAGCCGCA  
 GGTCTCTTGAAACTGAGGTTCCAGAAGCGGGAGCCTCTGAAGAATGTGTTTTTCATCTTGGCAGAAAGA  
 GCTCGGGACCCAGTGCTAAAAAGCGTCAATGGCAATGAGAACTTGGGAACCATGGCCTATGAAGCCC  
 CTGACAAGGTGAGAAAGTATAAGAAATTTGCTCTCGACCTGCTGGTGTATGGACTGTATGACCCTGTGAA  
 TTTGGAAGTCATCCATGAGAGTATGAAGACTCTGACCGTCGTTCTGGGCAAGATCCAGGGGAAAGGTTTG  
 GGTTCTTCTTCCATAGATATCACCCTTCAGACCAGGACTTTATTAGATGACGCTTGCAAAACAACATTTT  
 AAGCCTGTTCTCCATATCTGAACTAAAGGAGGAATACAGCTTCCAGAGTGAAGAAGATCAAGGAACAC  
 TAAGCTCTACCAGCAGCTGAGCCACTATCATCCAGAGATCCTGCAGTTCTTCTACGCAATAAAATTCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC225243 representing NM\_001127175  
 Red=Cloning site Green=Tags(s)

MAWGSKGIQGWENLAESSHLATTRESSPPESGTGSGSSRGSRLQEPQVSWKLRFQKREPLKNVFFILAER  
 ARDPSAKKRHMAMRNLTGMAYEAPDKVRKYKKIVLDLLVYGLYDPVNLEVIHESMKTLTVVLGKIQKGL  
 GSFFIDITLQTRTLDDACKTTFAQCSPLYLKLKEEYSFQSEEDQRNTKLYQQLSHYHPEILQFFYANKIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

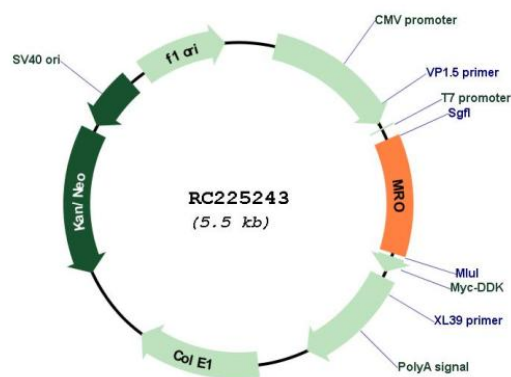
**Restriction Sites:** SgfI-MluI


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### Cloning Scheme:



### Plasmid Map:



ACCN: NM\_001127175

ORF Size: 630 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001127175.3](#)

**RefSeq ORF:** 633 bp

**Locus ID:** 83876

**UniProt ID:** [Q9BYG7](#)

**Cytogenetics:** 18q21.2

**MW:** 23.9 kDa

**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]