

## Product datasheet for **MC200807**

### Orc4 (NM\_011958) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Orc4 (NM_011958) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Orc4
Synonyms:	mMmORC4; Orc4l; Orc4P
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC015072 sequence for NM\_011958  
 CCACGCGTCCGCCACGCGTCCGGCAGTAGGAGCAGCGGGACTGAGAAGGTGGTGAACATCCTTCGGTCCT  
 CACCGTCGGCGGGCCGGCTTTGCCGATTTAGGCAGGCTTGACTGGGAGAGGATTTGAATTAATCGAG  
 ATGAGCAGTCGTAACCAAGAGTAATGCACATGCAGAGTGTCTTTCACAGGTACAAGAATTTTACGTG  
 AAAGATTTTGTATCATAGTCCACATAGCAACCTCTTTGGAGTGCAAGTACAATACAAGCATTGATTGA  
 GCTACTCAAAGAAGTGTATCTATGGAGAAAGCAATTCTGACTCATTGTTGGACCACGAGGATCAGGA  
 AAGACCACATTATTAATCATGCTTTGAAAGAAGTGTGAAATAGAAGTGAAGTGAAGTGTGATACAAG  
 TTCCTTAAATGGACTCCTGCAGACAAATGAAAAAATTGCTCTGAAAGAGATCACAAGACAATTAATCT  
 AGACAATGTAGTTGAAGATAAAGTTTTTGAAGCTTTGCTGAAAACCTTTCATTTCTTCTGGAAGCTTTG  
 CAAAAAGGTGACCGGACTAGCAGTTGCCAGTGATCTTCATACTGGATGAATTTGATATTTTGTCTCATC  
 AGAAAAATCAAACACTCCTTTATAATCTTTTTGACATTTCTCAATCTGCACAGACACCAGTAGCAGTTAT  
 TGGACTTACATGTAGATTGGATATTTTGGAACTCTTAGAAAAGAGAGTGAAGTCACGATTTTCTCACCGG  
 CAGATACATTTAATGAATTCATTTGATTTTCCACAATATTTGAAAATATTTAAAGAACAGTTATCTCTAC  
 CTGCAGAAATCCAGATAAGGCTTTTGTGAGAGATGGAATGAGAATGTTCACTGTCTCTCTGAAGATTC  
 AACTGTGCTTGAAGTCTACAGAAACATTTTCAGTGTCAACAAAACTTGCAGTCATTACACATGCTATTG  
 ATGCTTGTCTTAAATCGAGTAACCGTATCACACCCATTTATGACTTCAGCAGATCTGATGGAGGCACAGC  
 ATATGTGTAGCTTGGATTCTAAGGCGAATATTGTACATGGTCTGTGAGTCTTGGAAATCTGTCTTATAAT  
 AGCAATGAAACATTTAAATGACATATATGAAGAGGAGCCCTTTAATTTTCAAATGGTGTATAATGAATTT  
 CAGAAATTCATTCAAAGAAAGGCCATTTCTGTTTATAACTTTGAGAAACCTGTGGTCATGAAGGCATTTG  
 AGCAGTTACAACAGTTGGAATTAATAAAACCCGTTGAAAAGAACTTCAAGTAAATTTCTCAGAGAGAATACCA  
 GCTAGTGAAGTACTTTTGGATAAATACTCAAATTAATGAATGCTCTACAGAAATACTCCAAGTCCCTTACA  
 GATGTTAGGCAGTGGCAACATCCTCACTAAGCTGGCTGTGAAGATTTTAAAGTACATTTCTGTGAAGACC  
 TTAAGTACTGTTCTTTATTTAATAAGATACGCTACTACATTGCTTTGTTTATAAATATGTTTATGGGAA  
 ATTTGCACTTAGTATGTTTTGAATAATGACCACGCATGGACACAGTTTCATTAATTTAAATTTGCACCACA  
 CAAGTAGCAGTTCATAAGAATAAAATGTGCTTATTTTAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI



[View online >](#)

<b>ACCN:</b>	NM_011958
<b>Insert Size:</b>	1302 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC015072</a> , <a href="#">AAH15072</a>
<b>RefSeq Size:</b>	1662 bp
<b>RefSeq ORF:</b>	1302 bp
<b>Locus ID:</b>	26428
<b>UniProt ID:</b>	<a href="#">O88708</a>
<b>Cytogenetics:</b>	2 C1.1
<b>Gene Summary:</b>	<p>Binds histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3 (By similarity). Component of the origin recognition complex (ORC) that binds origins of replication. DNA-binding is ATP-dependent. The specific DNA sequences that define origins of replication have not been identified yet. ORC is required to assemble the pre-replication complex necessary to initiate DNA replication.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Variants 1 and 4 both encode the same isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>