

## Product datasheet for **MC222453**

### Ocr1 (NM\_177215) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ocr1 (NM_177215) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ocr1
Synonyms:	9530014D17Rik; BB143339; OCRL1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222453 representing NM\_177215  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGAGCCCGGGCTCCCATTGGAGCTCAGCCCCTGGCAATGGTGGCGGGTTTGGAGATGAAGGGTCCCC  
 TCCGGGAACCCTGCGTCCTGACCCTAGCCCGGAGGAATGGGCAGTATGAGTTAATAATCCAGTTGCATGG  
 AAAGGAACAACATGTTCAAGATATCATTCTATAAATAGCCACTTCAGATGTGTTCAAGAAGCAGAAGAA  
 ACTCTTTTGATTGATATTGCTTCAAACAGTGGCTGCAAAAATTCGGGTACAGGGAGACTGGACCAGAGAGC  
 GCCACTTTGAAATTCCTGATGAAGAACGCTGTTTGAAGTTCCTCTCAGAGGTCTCGAAGCTCAGGAAGC  
 TCAGTCACAGCTTCTGTTCCAGAACAAGACTCATCTAGCTGGTACCAGAAATTAGACACTATGGAT  
 AAACCTGCTTATTCAGGGCTGCTGGATTTGAGGATAATTTTTCATCTCTGGATTTAGATAAGAAAATGA  
 ATACACAAAATCCCCGATCAGGGAGTATCGGGAACCACCCCTCCACCTTCTTCATCGACTAGAATGCT  
 TTCGCGTGAAGGAAGCTTCAAACAAGAACAGCCAAAGTGACCAATACCATGCGGAAGCTATTTGTC  
 CCGAACACCCAAACCGGGCAGCGAGAGGGTCTCATTAAACATATCCTCACAAAGCGAGAGAAAGAATATG  
 TCAACATCCAGTCTTTCAGGTTTTTGTGGAACTTGGAAATGTGAACGGCCAGTCTCCAGACAGCAGCTT  
 AGAACCTTGGCTCGACTGTGATCCAAATCCTCCTGATATTTACTGCATTGGATTTCAAGAGCTGGACTTG  
 AGCACCGAAGCCTTTTTCTACTTCGAGTCTGTGAAAGAGCAAGAGTGGTCTTGGCTGTGGAAAGGGGGC  
 TGCCTTCGAAGGCCAAGTATAGAAAAGTTCAACTGGTCCGCCCTTGTGGGGATGATGCTTCTTATATTTGC  
 CAGAAAAGATCAGTGTCAATACATCCGAGATGTTGCTACAGAAAACACTGGAAGTGAATCATGGGGAAA  
 ATGGGAAACAAGGTGGGTAGCTGTAAAGATTTGATTTCCACAACACCCTTCTGCATTTGCAATTCGC  
 ACCTGGCCGCCACGTGGAAGAGTTTGAACGAAGGAATCAGGATTATAAAGACATCTGTGCAAGAATGAC  
 TTTTTAGTCCCAATCAGACTGTCCCGCAAGTGAACATCATGAAGCATGATGTTGTCATTTGGCTGGGA  
 GACTTGAACACAGACTTTCATGCCTGATGCCAGTGGAGTGAAGTCTTATAAATAAAGTGAAGTCTT  
 ATAAGCTGTTGAAATTTGACCAGTTAAACATTCAGCGCACACAGAAAAAGCTTTTTCGCGATTTCAATGA  
 AGGGGAAATTAATTTTCGTTCCACGTACAAATATGATTCGAAAACACTGACAGATGGGATTCAGTGGGAAA  
 TGCCGAGTTCCCGCCTGGTGTGACCGAATTTTGGAGAGGAATAAATGTTAATCAACTTCATTACCGGA  
 GTCACATGGAACCAAACTAGTGACCACAAACCTGTTAGCGCCCTGTTCCATATGGGGTGAAGTTGT  
 GGATGAGCGGAGGTATCGGAAGTCTTTGAAGATATCGTCCGATATGGACAGAATGAAAACGACTTC  
 CTTCTTCATTAGAACTTAGCAGGAGAGAGTTTTTTTTGAGAATGTGAAGTTTCGCGAGCTGCAAAAGG  
 AGAAGTTCAGATCAGCAACAATGGACAGTTCCTGCCATTTTTCTTTCATCCCTAAGCTTAATGACAG  
 CCAATACTGCAAGCCATGGCTTCGAGCTGAACCTTTTGGGGCTACTTGGAGCCAAACGAGACCTTAGAC  
 ATCTCCCTTGATGTATACGTGAGCAAGACTCTGTAACCATCCTGAACTCCGGTGAAGATAAGATTGAAG  
 ATATTCTGTCTCCATTTGGATCGAGGCAAGATTACTTCTTGACCATCCGGTGGGAATTACCTCCCAAG  
 TTGCTTTGGAACCTCATTGGAGGCTTTGTGCCGAATGAAAAGACCAATTCGAGAAGTTCCTGTCAACAAA  
 CTCATAGACCTGGAAGAAGACAGCTACCTAGAAAAGGAGAAATCCCTTCTGCAGATGGTACCCTGGATG  
 AAGGTACCAGTGAGCGACCCCTCAAGTCCCAAGAGATCTGGCTTCTAGTAGATCACTTGTCAAATA  
 TGCATGTCACCAGGAGGACTTGTCCAAACCCCTGGAATGCAGGAGGAGTTACAGCAGATCATTGATTGC  
 CTGGATACCAGCATTCTGAGACAATTCCTGGCAATAACCATTCGTGGCTGAAGCACTGCTATTTTCC  
 TGGAAAGCTCTGCCAGAGCCAGTCACTGTTATGAGCTGTATCAGCGATGCTTACTCTGCTCATGATCC  
 TCGGATCTGCAACAGGTCATTTCCAGCTTCCAAGGTGCCATAGAAATGTTTTCCGCTACTTGTGGCA  
 TTCCTTCTGTAACCTTAAAATCTCTGACTACAACAATCAACACCAACATGATTGCTACCCTGTTCA  
 GTAGCCTTCTCCTAAGACCTCCACCAACCTCATGACAAGACAGACTCCAATGACCGCCAGCATGCCAT  
 CCAGTTCCTTGGTCTTCTGCTTGGGAACGAGGAAGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul  
 ACCN: NM\_177215

<b>Insert Size:</b>	2703 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>	<u><a href="#">NM_177215.3</a></u> , <u><a href="#">NP_796189.2</a></u>
<b>RefSeq Size:</b>	5198 bp
<b>RefSeq ORF:</b>	2703 bp
<b>Locus ID:</b>	320634
<b>UniProt ID:</b>	<u><a href="#">Q6NVF0</a></u>
<b>Cytogenetics:</b>	X A4
<b>Gene Summary:</b>	Converts phosphatidylinositol 4,5-bisphosphate to phosphatidylinositol 4-phosphate. Also converts inositol 1,4,5-trisphosphate to inositol 1,4-bisphosphate and inositol 1,3,4,5-tetrakisphosphate to inositol 1,3,4-trisphosphate. May function in lysosomal membrane trafficking by regulating the specific pool of phosphatidylinositol 4,5-bisphosphate that is associated with lysosomes. Involved in primary cilia assembly (By similarity).[UniProtKB/Swiss-Prot Function]