

## Product datasheet for MC212630

### Clvs2 (NM\_175448) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Clvs2 (NM\_175448) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Clvs2  
**Synonyms:** A330019N05Rik; Rlbp112  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212630 representing NM\_175448  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACTCATTGCAAGCTGGCCTCTCTCCTGAGACTTTGGAAAAAGCTCGCCTGGAACCTCAATGAGAACC  
 CAGACACTCTGCACCAGGACATCCAAGAAGTAAGGGACATGGTCATCACTAGGCCGGACATTGGCTTTCT  
 GCGCACAGATGACGCTTTCATCTTACGCTTCTTGAGGGCCAGGAAATTCATCACTTCGAAGCTTTTCGC  
 CTCTTGCCCACTACTTTGAGTACCGGCAGCAGAACCTGGATATGTTCAAAGCTTCAAGGCCACTGACC  
 CTGGCATCAAGCAGGCACTGAAGGATGGCTTTCCTGGGGCCCTGGCCAATCTGGACCATTATGGGAGGAA  
 GATTTTAGTCCTTTTGGCTGCCAAGCTGGGATCAGAGCAGGTACACACTGGTGGATATTTTGGCTGCCATC  
 TTACTTTCTTTAGAAGCCATGATTGAAGATCCAGAGCTTCAAGTAAATGGATTTGTTTTGATCATAGACT  
 GGAGTAACTTACCTTCAAGCAAGCTTCTAAGCTTACACCAAACATGCTGCGACTTGAATTGAAGGTCT  
 TCAGGACAGCTTCCCAGCAAGATTTGGAGGAATTCATTTGTCAATCAACCTTGGTATATCCATGCCCTG  
 TACACTGTGATACGCCATTCCTGAAAGAGAAGACTCGGAAAAGGATATTTTGCATGGTAAACACTGA  
 ACAGTCTACACCAACTAATTCATCCTGAGATCCTACCTTCTGAGTTTGGAGGAATGTTGCCCCCATATGA  
 CATGGGCACATGGGCACGAACCTGCTAGACCATGAGTATGATGATGACAGTGAGTACAACGTGGATTCC  
 TATAACATGCCTGTGAAGGACGTGGACAAGGAACTCTCCCCAAATCCATGAAGAGATCTCAGTCAGTAG  
 TGGACCCTACAGCACTGAAACGAATGGATAAAAGTGAAGAAGAAAACATGCAGCCTTTACTTGCTCTGGA  
 CTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_175448



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<b>Insert Size:</b>	984 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_175448.3</a></u> , <u><a href="#">NP_780657.1</a></u>
<b>RefSeq Size:</b>	2500 bp
<b>RefSeq ORF:</b>	984 bp
<b>Locus ID:</b>	215890
<b>UniProt ID:</b>	<u><a href="#">Q8BG92</a></u>
<b>Cytogenetics:</b>	10 A4-B1
<b>Gene Summary:</b>	Required for normal morphology of late endosomes and/or lysosomes in neurons. Binds phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2) (By similarity).[UniProtKB/Swiss-Prot Function]