

## Product datasheet for RN205999

### Olig1 (NM\_021770) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Olig1 (NM_021770) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Olig1
Synonyms:	Olg1; oligo1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205999 representing NM_021770 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTACTATGCGGTTTCCAGGCGCGTGTGAACGCGGCTCCCGGACCATGTTGCGGCCACAGCGGCCG  
GAGATGTGCAGCTCGGGGCTTCGTTGTACGAGCTGGTGGGTTACAGGCAGCCACCCATCTCGTCATCCTC  
CTCCACCTCCTCCTCTACCGCTCCCTTCCCTAAACCTGCGCGTGAGAAGCCTGAAGCTCCGCTC  
GCTGAGCCTCGGGACCAGCGCCGAGTCCGGGGCGCCCGGCCGACGCCAAAGAGGAGCAGCAGCAGC  
AGCAGCTGAGGCGCAAGATCAACAGCCGCGAGCGGAAGCGCATGCAGGACCTGAACCTGGCCATGGACGC  
GCTGCGCGAAGTTATCCTACCCTACTCCGCGGCGCACTGCCAGGGCGCGCCGGGCCGTAAGCTCTCCAAG  
ATCGCTACGCTGCTGCTCGCCCGCAACTACATCCTGCTGCTGGGAGCTCTCTGCAGGAGCTGCGCCGCG  
CGCTCGGCAGCGGTGCGGGACCCGCGCCCGCGCCTGCTCCTTGCGGGCCTGCCCTGCTGGCCGCCG  
GCCGGGCTCTGTGCTGCTGGCACCGGGCGCCGTGGGACCCCGAAACGCTGCGCCCAACCAAGTACCTG  
TCTTAGCGCTCGACGAGCCACCGTGGCCAGTTCGCTCTCCCGCTGGTGGCGCGGTAGCCCGGCC  
TCTGCTCCTGTGCGGTGTCAAGTCCCGCATCTGGTCCCGCCGGCCTGGGCTTGGCAGCGGTGCAGGC  
TCAGTTCTCCAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_021770
Insert Size:	786 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="#">NM_021770.3</a> , <a href="#">NP_068538.2</a>
<b>RefSeq Size:</b>	2158 bp
<b>RefSeq ORF:</b>	786 bp
<b>Locus ID:</b>	60394
<b>UniProt ID:</b>	<a href="#">Q9WUQ3</a>
<b>Cytogenetics:</b>	11q11
<b>Gene Summary:</b>	This gene is a member of the oligodendrocyte lineage gene family which encode basic helix-loop-helix transcription factors. Studies in mice show that it is coexpressed with Olig2 in neural progenitors, and has a role in the development and maturation of oligodendrocytes. [provided by RefSeq, Jul 2008]