

Product datasheet for **MC206706**

Olig1 (BC046316) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Olig1 (BC046316) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Olig1
Synonyms:	Oligo1, Olg-1, Bhlhb6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC046316
 TGCCGACCGGCCACCCCTGGGCGTTAGTGAAGGGCGCCCCGGGTGCCCCACAGCCCCGCCAGATG
 TACTATGCGATTTCCAGGCGCGTGTGAACGCGGCTCCCGCACCATGTTGCGGCCACAGCGGCTGGAG
 ACGTGCAGCTCGGGGCTCGCTGTATGAGCTGGTGGGTTACAGGCAGCCACCTATCTCCTCATCCTC
 CTCATCCTCTCCACCGCATCCCTTCTCCCAAGCCTGCGCGGAGAAGGCCAAGCTCCGCTCGCTGAA
 CCTCGGGGACCTGCGCCAGAGTCCGGGGCGCCCGGGCCGACGCCAAAGAGGAACAGCAGCAGCAGC
 TGGCGGCAAGATCAACAGCCGCGAGCGGAAGCGCATGCAGGACCTGAACTTGGCCATGGACGCGCTGC
 CGAAGTTATCCTACCCTACTCGGCAGCGCACTGCCAGGGCGCGCGGGCCGAAGCTCTCCAAGATTGCC
 ACGCTGCTGCTCGCCGCAACTACATCCTGCTGCTGGGTAGCTCGCTGCAGGAGCTGCGCGCGCGCTCG
 GCGACGGTGGGGACCCGCCCGCCCGCGCTGCTCCTCGTGGCCTGCCTCTTGGCTGCCGCGCGGG
 CTCTGTGCTGCTGGCACCCGGTGGCGTGGGACCCCGAAACGCTGCGCCCCACCAAGTACCTGTCTA
 GCGCTCGACGAGCCACCGTGGGCCAGTCTCTCTCCAGCTGGTGGCGGGGTAGCCCTGGCCTGCT
 CCTGTGCGGTGTGCAAGTCCCGCATCTGGTCCCCGCGGCTGGGCTTGGCAGCGGTGCAGGCCAGTT
 CTCCAAGTGAGGGCTGGCTGGGCCGGGGCGGAGCGGACCTCAGCCAATCTCCGCGCCCCCGCTCC
 TGGATCTAGGCAGAGCTGGCCCCAGAAAGGAGGACATTTCCAGACTTCTCTCCAGACGACAGAGT
 GCGCCTTCTTCCCGCCCCACTCCCTGGCAATTAATAAACCAGCGGGTGTCCAAGGAGCGATGT
 AGTTGCTTGGGATTCTAGATGAATCCCACCTGTTTAGAGCCAGAAGTCTTCGCATCCCCACCACA
 CCACTGGCAGGGGTGACAACCCCCACCACCGCGGGCTATTCTCGTATCCGTGAGCATCGCGGAGT
 CGGGAGGACGGTAGCCGGCCGGTGCAGTAAAGGGGGTGGCCTGGGTGCAGCGAAAGGCTGCCCC
 AGCTTGGTTTCTGGCATGCTTCCGCTCCCTGGCTAAGAGCTGCTCCCCAACAGTGTCTACCCAG
 AGGGGCGTCCTTTCTGTCCAGGGCTGAGCGCACAGGCTCCCTTGTCTCTCCAGCCAAACCAT
 GCGGATCTAGGAGGTTCCAGGGTACAAACATCAAGGGTGTACGGATGGGCCGCTCTGGAAAGCC
 CAGGTTCCGAGCTGGATGTTACGCGGGTGCCTCGGTTACCGCGCTCGGTGGTGGGATGCGAAG
 TGAGAGGTTTCTCCTCCACTCCAGTTCTGTTTTTCAGGCTCGCCAGGTGTTTTGTTGAGTTT
 ATGCTCCTTAAACCTAAAACCTTACTTACTTCCACTCCCTAAAGGTAGCTTAAACCAACGTTT
 GAGCTTGGCTTAAAAA
 CAAAATCCAACCAGTTCCATGCCATCGGTGTTGCGACTTACTAAAATAGGTAGCAAGGCAGT
 CGTAGCGCAGGCTTATAAAAATTCGGTCAATTAACGTTCTCATTAAAGTAAGCGGAGTTGGG
 CAGGATCCCAAACGCCTACCCGCGCGTGCAGGCGGGAAGGCGCTGGCACTTACAGGCTGGT
 CCTAACCACAGCAGTGGCTGAAGAACTCCGTGGACGCGTGCAGCGTGGGTGCCGCTCTGGCT
 TGTGACTAGCGTTAGGAAATTACCCAAGATTATGCATAATCTTACCAGCTTGTCTTTGATTCT
 TTTTTATGTTGGAAGTTTTGGGTGTTGACAGTAGCCGAATTTAACTGGCATTATTTTACCT
 TAACTCTGTCCCTCCTGAACTGTACAGAAATCACAAAATAAAACGTCAACAGTTGAAAA
 AA

Restriction Sites: EcoRI-NotI

ACCN: BC046316

Insert Size: 783 bp

OTI Disclaimer: 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).

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: [BC046316](#), [AAH46316](#)

RefSeq Size: 2168 bp

RefSeq ORF: 783 bp

Locus ID: 50914

Cytogenetics: 16 C3.3

Gene Summary: Promotes formation and maturation of oligodendrocytes, especially within the brain. Cooperates with OLIG2 to establish the pMN domain of the embryonic neural tube. [UniProtKB/Swiss-Prot Function]