

## Product datasheet for **SC123482**

### **OLIG1 (BC033290) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	OLIG1 (BC033290) Human Untagged Clone
Tag:	Tag Free
Symbol:	OLIG1
Synonyms:	A1836478; AW494459; BHLHB6; Bhlhb6; bHLHe21; Olg-1; Oligo1; oligodendrocyte transcription factor 1; OTTMUSP00000021401
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for BC033290 edited
GTTCTAGATCGTTTTCCCCGCGCGCAGGTCCGCGGGGAGGGGCGGCCTGCCGACCGGCCCA
CCCCAGGGCGTTCCTGAAGGGCGTCTCGGCCGCCCCACCGCTCCCAGATGTAATATG
CGGTTTCCCAGGCGCGGTGAACGCGGTCCCGGGACCATGCTGCGGCCACAGCGGCCCG
GAGACTTGCAGCTCGGGGCTCCCTCTACGAGCTGGTGGGCTACAGGCAGCCGCCCTCCT
CCTCCTCCTCCTCCACCTCCTCCACCTCCTCCTCCTCCTCCTCCACGACGGCCCCC
TCCTCCCCAAGGCTGCGCGGAGAAGCCGGAGGGCGCCGGCGAGCCTCCAGGCCCGGGC
CCGGGTACAGGCGGCACCCGGGCGCAGCGCCCGCCGACGCCAAGGAGGAGCAGCAGC
AGCAGCTGCGGCCAAGATCAACAGCCGCGAGCGGAAGCGCATGCAGGACCTGAACCTGG
CCATGGACGCCCTGCGCGAGGTATCCTGCCCTACTCAGCGGCGCACTGCCAGGGCGCGC
CCGGCCGCAAGCTCTCAAGATAGCCACGCTGCTGCTCGCCGCAACTACATCCTACTGC
TGGGCAGCTCGCTGCAGGAGCTGCGCGCGCGTGGGCGAGGGCGCCGGGCCCGCGCGC
CGCGCCTGCTGCTGGCCGGGCTGCCCTGCTCGCCGCGCGCCCGCTCCGTGCTGCTGG
CGCCCGGCGCCGTAGGACCCCCGACGCGCTGCGCCCCGCAAGTACCTGTGCTGGCGC
TGGACGAGCCCGGTGCGGCCAGTTCGCTCTCCCGGCGCGGCGCAGGGGCCCGGCC
TCTGCACCTGCGCGTGTGCAAGTTCGCCACCTGGTCCCGGCCAGCCTGGGCCTGGCCG
CCGTGCAGGCGCAATTCTCAAGTGAGGGCGGGTCTGGGCCTGGGGCGCGACCTCGGCC
GGCCTCCCTTCGCTCAGCTTCTCCGCGCCCTGCTCCCTGCGTCTGGGAGAGCGAGGCCG
AGCAAGGAAAGCATTTTGAACCTTCCAGTCCAGAGGAAGGACTGTGGGCACCCCTTC
CCCCCCCCACCCTGGGACGTTAAAGTGACCAGAGCGGATGTTTCGATGGCGCCTCGGGG
CAGTTTGGGGTTCGGGTCGTTCCAGCGGCTTAGGCAGAAAGTGTCTGCTCTCACCCA
GCACATCTCTCCTTGTCCCTGGAGTTGCGCGCTTCGCGGGGCCGATGTAGAATTAGG
GCGCCTTGCCGTGTTGGCGCGCCCGGGTGCAGCGAGAGGCCATCCCCGAGCGTACCT
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CGGAGGGGTGTTCTTTCTTCTCCTCCGCCAGAGGCCACGGGCGCCCTTGTTCGCC
GGCCAGGTCTATCAAAGGAGGCTGCCGGAACCAAGAGGCAGAAAAAGACCAGTTAGGC
GGTGCAGACGGTCTGGGACGTGGCAGACGGACGGACCCTCGGCGGACAGGTGGTCGGCGT
CGGGGTGCGGTGGGTAGGGGCGAGGACAACGCAGGGTGCCTGGGTTGGGACGTGGGTCC
ACTTTTGTAGACCAGCTGTTGGAGAGCTGTATTAAGACTCGCGTATCCAGTGTTTGT
CGCAGAGAGTTTTCACTTTAAATCCTGGGGTTTTCTTAGAAAGCAACTTAGAAGTCTGAG
ATTCACCTTTTCGTTTCCCTTTCCCAAAAGTAGCGTAACCAACATTTAAGCTTGCTTAA
AACGAAAACCAACCGCCTTGATCCAGTGTCCCGATTTACTAAAATAGGTAACCGGCG
TCTCACAGTGCAGCTCCTGTCAAGAGCGCTAATGAACGTTCTCATTAAACGCGAGGAT
CCGGGAGCCCTGAACCGCCCGTCTCGGCGGATCCCAGCTGCGGTGGCGACGGCGGGAA
GGCGCTTTCGCTGTTCTCAGCGGGCCGGCCCTTGACCAGCGCGGCCCGCAGGTCTTC
CTTCTCGCGTCTTGCAGTTGAAGAGCTACATACGTAGTCAGTTTCGATTTGTTACAGAC
GTTAACAATTCCTTTACCCAAGTTATGCTATGACCTTTCGCGAGTTTACTTTGATTTT
CTATGTTAAGTTTTGGTTGTTGGTAGTAGCCGAATTTAACTGGCACTTTATTTTACTT
CTAACCTTGTTCCTGACGGGTACAGAATCAACAAAATAAAACATTTAAAGTCTGATTT
TTTAAAAAAAAAAAAAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC033290 unedited CTTTGNAATNNGNAATACGACTTCTATAGGGCGGCCGCGCATTCCCGGGGTATCGTCGA CCCACGCGTCCGGTTCTAGATCGTTTCCCCGCGCGCAGGTCCGCGGGGAGGGGCGGCCTG CCGACCGGCCACCCAGGGCGTTCCTGAAGGGCGTCTCGGCCGCCCCACCGCTCCC AGATGTACTATGCGGTTTCCCAGGCGCGTGAACGCGGTCCCCGGGACCATGCTGCGGC CACAGCGGCCCGGAGACTTGCAGCTCGGGCCTCCCTCTACGAGCTGGTGGGCTACAGGC AGCCGCCCTCCTCCTCCTCCTCCTCCACCTCCTCCACCTCCTCCACTTCCCTCCTCCTCCA CGACGGCCCCCTCCTCCCAAGGCTGCGCGGATAAGCCGGAGGCGCCGCGCCGAGCCTC CAGGCCCGGGCCGGGTGAGGCGCGCACCCGGGCGGAGCGCCCGGCCGACGCAAGG AGGAGCAGCATCAGCAGCTGCGGCGCAAGATCAACAGCCGCGAGCGGAAGCGCATGCAGG ACCTGAACCTGGCCATGGACGCCCTGCGCGAGGTATCCTGCCCTACTCAGCGGCTCACT GCCAGGGCGGCCCGGCCAAGCTCTCCAAGATAGCCACGCTGCTGCTCGCCCGCAGCT ACATCCTACTGCTGGGAGCTCGCTGCAGGAGCTGCGCCGCGCTGGGCGAGGCCGCCG GGCCCGCAAGTCGTGCCTGCTGTTGACCGGCTGCCCTGCTCGGAGACAGGCCCGGCTT CGTGCTGTTGGCGCCCGGGCCGAAGGATCCTCGAAGCGCTGGGCCCGGCAATTTCTGT CGCTCGCGCTGGACAGCCACCGTGCGCCAGTTTGGTTTCCCCGGGGGTGCCATCTGC CCCGGCTTGGACCTGGCCATGTTAAATTCCCGCA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC033290
<b>Insert Size:</b>	2298 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="#">BC033290.1</a> , <a href="#">AAH33290.1</a>
<b>RefSeq Size:</b>	2298 bp
<b>Locus ID:</b>	116448
<b>Cytogenetics:</b>	21q22.11
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	Promotes formation and maturation of oligodendrocytes, especially within the brain. Cooperates with OLIG2 to establish the pMN domain of the embryonic neural tube (By similarity).[UniProtKB/Swiss-Prot Function]