

Product datasheet for **SC126002**

OLIG3 (NM_175747) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OLIG3 (NM_175747) Human Untagged Clone
Tag:	Tag Free
Symbol:	OLIG3
Synonyms:	Bhlhb7; bHLHe20
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_175747 edited
CACACCAACTAGTGTCCAGGAAGCAGCCTAACCCAGAGAGAGGGGCGTGGGAGGGAGAGA
GGCGGGGAAAAGCAGCGTCTCCGCTTTTCTTCTCACGTCTTGCCGCGGAGAAGTGGGTTC
CTGGGCAGTGCAGATTTTTTTTTTTTAAATTCAAGATTTCTTTAATTTCCCGCCTAAAG
CCTCCCCACGGTAGGGCCGCATCCCCTGTAATAAAATGAATTCTGATTGAGCTCTGTCT
CCAGCAGAGCTTCATCTCCGACATGGATGAGATGTACCTGAGGGACCACCACCACCGCC
ACCACCACCAGGAGAGCCGCTCAACTCGGTCTCGTCCACGCAGGGCGATATGATGC
AGAAGATGCCCGGGAAAAGCCTCTCGCGGCTGGCGCCAAGGCCGCGGGAGAGAGCAGCA
AGTACAAAATCAAGAAGCAGCTGTCGGAGCAGGACCTACAGCAGTTGAGGCTGAAGATCA
ACGGACGCGAACGAAGCGGATGCACGACCTGAACCTAGCCATGGACGGGCTGCGCGAAG
TCATGCCCTACGCGCATGGGCGCTCGGTGCGCAAGCTCTCAAGATCGCCACACTCTGC
TCGCCAGAACTACATCCTCATGCTCACCAGCTCCCTGGAGGAGATGAAGAGGCTGGTTG
GCGAGATCTATGGGGGCCACCACTCGGCCTTTCACTGCGGGACCGTGGGCCACTCGGCCG
GCCACCCCGCGCACGCGCCAACCTCCGTGCACCCGGTGCACCCCATCTTGGCGGGCGGC
TCTCATCTGGCAACGCCTCGTACCGCTGTCCGCGCCTCACTTCCCGCCATCGGCACCA
TCGGGCCTCCCCACTCGTACTCAAGGCCCTCCACGCCGCCCGCGCTGCAGCTGGGCA
GCGGCTTCCAGCACTGGGCTGGTCTGCCCTGCCCTGCACCATCTGCCAGATGCCGCCGC
CGCCGCACCTGTCCGCTCTCTCCACAGCCAACATGGCCCGGCTGTGCGCCGAGTCCAAGG
ACTTGCTCAAGTGAGCAGCGGGCGGGCCCGGCTGCCAAGGAGGAGGGAGAGCGGCGGGAG
GGGCGCGGTGCCGGGCCGGGAGGGAAGAGGGAGGCTGCACGCTCGGCCACGGGAGGGC
AGGCTCCGGGGCCCGCAGCCTCCCACGCTGTCTGAGAGATCTCAGACTCCAATTGACCCC
CGGAGGGAAAAGACAAAATCAAACCGCAATTTCTAGGTGGTAGCAAAGGGGGACTCGAA
CCAGATGTCGTGTTTTGCATGCATGCTTTTTTCCCATGCCGCGCCAGTATTTTTCA
CTGCCATATGCTTTGTCAAACACTGCATTTGTTGTATAAAGATGGGATCGGTGTAGTTAA
AAACTTGCGAAGGACTTTTGGATTGGTTTCTCTGACTCTGTGTTCTCGCTTTGGAAAA
AGACGGCCATCCCTTTGTGCAAAAATAATGTAATATTTTCTTGAGATGGATGCGATTA
TGATTGCTCTGTCTTCCACAGTTTTTCTAGAGACAATGGAGAGAGAAAGAGAGAGAG
AGCGCGAGAGAGATCAAGACCAAGTTTTGAATCTCAACCGAGGTCCAGGGCATGACACC
TCCTATGTGGTTTTCTTTGACGCAGTGTAGGTCAAAGAATGCATGCACGCTTCTAA
ATGAATCTGTCTGAATATGTCGTGCAGGCTGTGGTGCCGTTTTCTTGTAAACAAGGATT
TATTAGTGAATTATCCCAAGTACTCCATATATCTGTCTGTGGTTGATGAAATGAAAAAA
GGGGCAGAGTGCAAAGACCCACACTCACGCACACGCGCTTCTTCTCCACCCCAACCC
TTCAAACCTTATTCGGAACCTTCTTTGCTGTTCTGGGGCCGCTATTGTAAGCCTGGG
CTCCCTCTAGTAGCTTGGCCACCCCTCGCTCAGTATTCTGCATGCGGGGTTGGCT
CTCTCTATTATCAGCTTTGAAACTTATCCTGGTTTTGGGAGGGGTGCCGTTTTTATTTT
CCTGAACATTTGCTTGAATATTTTGTAGGGCTCAAAGACGATACCTGTCTTTATTTT
TTATATATTCTTGATAACTATGATATTTTAAATAACCAGTGTCTTGATGAGATT
CAAATAAAAAAGAACCTTTAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_175747 unedited NGGGCCGTTTCAGATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGG CACACCAACTAGCTGTCCAGGAAGCAGCCTAACAGAGAGAGGGGCGTGGGAGGGAGAGA GGCGGGGAAAAGCAGCGTCTCCGCTTTTCTTCTCACGTCTTGCCGCGGAGAAGTGGGTTC CTGGGCAGTGCAGATTTTTTTTTTTTAAATTCAAGATTTTCTTTAATTTCCCGCTAAAG CCTCCCCACGGTAGGGCCGCATCCCCTGTAATAAAATGAATTCTGATTGAGCTCTGTCT CCAGCAGAGCTTCATCTCCGGACATGGATGAGATGTACCTGAGGGACCACCACCACCGCC ACCACCACCACCAGGAGAGCCGTCTCAACTCGGTCTCGTCCACGCAGGGCGATATGATGC AGAAGATGCCCGGGAAAAGCCTCTCGCGGGCTGCGCCAAGGCCGCGGGAGAGAGCAGCA AGTACAAAATCAAGAAGCAGCTGTCCGAGCAGGACCTACAGCAGTTGAGGCTGAAGATCA ACGGACGCGAACGCAAGCGGATGCACGACCTGAACCTAGCCATGGACGGGCTGCGCGAAG TCATGCCCTACGCGCATGGGCCGTGGTGCGAAGCTCTCAAGATCGCCACACTCTGC TCGCCAGAACTACATCCTCATGCTCACCAGCTCCCTGGAGGAGATGAAGAGGCTGGTTG GCGAGATCTATGGGGCCACCACTCGGCCTTCTACTGCGGGACCGTGGGCCACTCGGCCG GCCACCCCGCGCACGCGCCAACCTCCGTGCACCCGGTGCACCCCATCTTGGGCGGCGCG TCTCATCTGGCAACGCTGTGCTCACGCTGTCCGCCCTCACTTCCCGCCATCGGCACAT
Restriction Sites:	Please inquire
ACCN:	NM_175747
Insert Size:	2400 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:	<ol style="list-style-type: none"> 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:	<u>NM_175747.2</u> , <u>NP_786923.1</u>
RefSeq Size:	2196 bp
RefSeq ORF:	819 bp
Locus ID:	167826
UniProt ID:	<u>Q7RTU3</u>
Cytogenetics:	6q23.3
Protein Families:	Transcription Factors
Gene Summary:	May determine the distinct specification program of class A neurons in the dorsal part of the spinal cord and suppress specification of class B neurons.[UniProtKB/Swiss-Prot Function]