

## Product datasheet for **SC112469**

### NEUROD6 (NM\_022728) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NEUROD6 (NM_022728) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEUROD6
Synonyms:	Atoh2; bHLHa2; Math-2; MATH2; Nex1; NEX1M
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022728, the custom clone sequence may differ by one or more nucleotides

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ATGTTAACACTACCGTTTGATGAGTCTGTTGTAATGCCAGAATCCCAGATGTGCAGAAAAGTTTTCTAGAG
AATGCGAGGACCAGAAGCAAATTAAGAAGCCAGAAAGCTTTTCCAAACAGATTGCCTTCGAGGAAAGAG
CATCAAAGGGCCCTGGAGAAGAAACCGAGAAAGAAGAAGAGGAGGAAGACAGGGAAGAGGAAGATGAA
AATGGGTTGCCTAGAAGGAGGGGTCTTAGGAAAAAAGACAACAAGCTGCGATTGGAAAGGGTCAAGT
TCAGGAGACAGGAAGCGAACGCGCGGAGAGGAACAGGATGCACGGCCTCAACGACGCTCTGGACAACCT
AAGAAAAGTGGTCCCCTGTTATTCTAAAACCCAGAAACTGTCCAAAATAGAGACTTTACGACTGGCCAAA
AACTACATCTGGGCACCTTCTGAAATTCTGAGAATCGGCAAGAGACCAGATCTGCTCACATTCGTCCAAA
ACTTATGCAAAGGTCTTTCCAGCCAACACAACTTGGTGGCAGGCTGCTTGCAGCTCAACGCCAGGAG
TTTCTGATGGGTGAGGTGGGGAGGCTGCACACCACACAAGGTCACCCTACTCTACCTTCTACCCACC
TACCACAGCCCTGAGCTCACCCTCCCCAGGGCATGGGACTCTTGATAATTCCAAGTCCATGAAACCTT
ACAATTATGCAAGTGCATGAATCCTTCTATGAAAGTACTTCCCTGAGTGTGCCAGCCCTCAGTTTGA
AGGTCCCTTAAGTCCCTCCCAATTAATAATGGGATATTTCCCTGAAGCAAGAAGAAACCTTGGAC
TATGGTAAAAATTACAATTACGGCATGCATTACTGTGCAGTGCCACCCAGGGGTCCCCTTGGGCAGGGTG
CCATGTTGAGTTGCCACCCGACAGCCACTTCCCTTACGACTTACATCTGCGCAGCCAATCTCTACAAT
GCAAGATGAATTAATGCAGTTTTTCATAATTA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_022728 unedited</p> <pre> NGTTTCANAATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGGACTCCA GNAGACGATGCGACACTCAGCCTGAAAAGATTGGAAGACCCAAAATGAAAAGTATTATT GAATGAAATTAACCTAAGGTAATTTAAGATTAGAGAACCATGTTAACACTACCGTTTG ATGAGTCTGTTGTAATGCCAGAAATCCCAGATGTGCAGAAAAGTTTTCTAGAGAATGCGAGG ACCAGAAGCAAAATTAAGAAGCCAGAAAAGCTTTTCAAACAGATTGCCTTCGAGGAAAGA GCATCAAAAGGGCCCTGGAGAAGAAACCGAGAAAGAAGAAGAGGAGGAAGACAGGGAAG AGGAAGATGAAAATGGGTTGCCTAGAAGGAGGGTCTTAGGAAAAAAGACAACAAAGC TGCGATTGAAAAGGGTCAAGTTCAGGAGACAGGAAGCGAACGCGCGGAGAGGAACAGGA TGCACGGCCTCAACGACGCTCTGGACAACCTTAAGAAAAGTGGTCCCCTGTTATTCTAAAA CCCAGAACTGTCAAAATAGAGACTTTACGACTGGCCAAAAACTACATCTGGGCACTTT CTGAAATCTGAGAATCGGCAAGAGACCAGATCTGCTCACATTCGTCAAAAATTATGCA AAGGTCTTCCCAGCCAACTACAACTTGGTGGCAGGCTGCTTGCAGCTCAACGCCAGNA GTTTCCTGATGGGTCAGGTTGGNGAGGCTGCACACCACACAAGGTCACCCTACTTACCT TNCTACCANNCTACACAGCCTGAGCTCACCCTTTCCCAGGCATGGGACTCTTGATAT TCNCAGTCCATGAAACCTACATTATTGCAGTGGGTATGAATCCTTCTATGAAAGTACTT CCCNTGAGTGTGCAGCCCTCAGTTTGAAGTCCCCTTAGTNTNTCCCATT </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_022728 unedited</p> <pre> CGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTACGAGTGGAAATATCTATATTTAAT TGCCTTAAAAATGTGGGTGGAAAAACACAATTATACATTGTGATAACAAACCTGTACAG TTAATTTCTGAATAATACAAAACAAGTGTGAAATTTTTTCTTGATGATTGAGATAATT GTCCCGAATTATGACATCAGCTACCCAAATATCATGTTGCCCATCTGCAAATACTTGA AGAGGAATAGTTACCAATTGAATGCATTTAGATTCATCCTTAATAAAAAGAAAATTGCAT AGCTTTTTATATTGTTGCAAATTCATCTCCAATATCATTGTCAGCTTAGTGATATTCTC CATATTTTAAATTTCAATTTTTAAAAGATACATAATATATAATTCCTAATAATTATAAA CACATCATTTTACTCATCTGGTTTTAATAACATGCATTTTATAATTACTGTACAACAAA ATAGACATTGAATTATGCTGTGTGCATGTCTTTATTCAACAGTATATTCTTAGACACCTT GTTCAAACAAATTAATAAGTTTAAAAGAAAATTAAGAAAAGAAAATCTTTCCAGTAGA AACAGAAATCACAGTGTCTCACAGACAAAAGGAAAGGAAAAGAAGTTCTCATACGAAAAGA GATTTATTATTACATAGAAAATTTCTCACAATAGTTGAAACACACTTCAGAAAATGATAAA CACCTTAGATAGAGTTGTGCCAATTAAGTACTCAGCCACAAGCATCTGCTTTGTCTTAATTAG CAGGGGAGGTGAATGACCACTNNGTTATTTTCTTCTCATTAAATATGAAAACTGCAT TTATTNCACTGCATTGNGAGAAGATGGCTGCGCANATGTAANNNTAAGGGAANTTGGN CTGTGCTGGGCACCCTGACATGCACCTGCCAAGGGACCCTGGTGNACTGCCAGTATGCTG CCGATTGTATTTACATATNCAGGNTCTTCTGCTCAGAAAATCCATTT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_022728
<b>Insert Size:</b>	2000 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_022728.2</a> , <a href="#">NP_073565.2</a>
<b>RefSeq Size:</b>	2175 bp
<b>RefSeq ORF:</b>	1014 bp
<b>Locus ID:</b>	63974
<b>UniProt ID:</b>	<a href="#">Q96NK8</a>
<b>Cytogenetics:</b>	7p14.3
<b>Domains:</b>	HLH
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	This gene is a member of the NEUROD family of basic helix-loop-helix transcription factors. The encoded protein may be involved in the development and differentiation of the nervous system. [provided by RefSeq, Nov 2012]