

Product datasheet for **SC329355**

Neogenin (NEO1) (NM_001172624) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neogenin (NEO1) (NM_001172624) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEO1
Synonyms:	IGDCC2; NGN; NTN1R2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001172624, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCGGAGCGGGAGCCCCGCGACTCCTCAGCACCCCTCCTTCTGCTCTACTGC
CTGCTGCTGCTCGGGCGCCGGGCCCGGGCGCCGCGCCAGGAGCGGCTCCGCGCCG
CAGTCCCCAGGAGCCAGCATTCTGAACGTTCACTCCATTTATTTTCTGGTGGAGCCGGT
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TCTCCAAAAATTGAATGGAAAAAGATGGAACTTTTTAACTTAGTATCAGATGATCGA
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AAACCTGATGAAGTTATTATCAGTGTGTGGCCACTGTTGAGAGTCTTGGAACTATTATC
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TCCTCAGTTTATGCTGGGAACAATGCAATTCTGAATTGTGAAGTTAATGCAGATTTGGTC
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GCTCCTCGGGATGTCGTGGCCTCCCTGGTCTTACCCGCTTCATCAAATTGACGTGGCGG
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GGGATTGCTAGGGAACGTGTTGAGAATACCAGTACCCAGGAGAGATGCAAGTAACCATT

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CAAAACCTAATGCCAGCGACCGTGTACATCTTTAGAGTTATGGCTCAAATAAGCATGGC
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 CCAGCACCTAACCTTCGTGCATATGCAGCTTCGCCTACCTCCATCACTGTTACGTGGGAA
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 TCTCCAGCTCGCAGTCATCTCTACCACCCGGGCAGCCCATGGCCATTGGCACATCCATG
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 CATCACATTCAGTGAAGACAGCCTCCATCGGGACTCTAGGAAGGAGCCGGCCTCCT
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 TCCGAGAGTAGCTATGAACCAGATGAGCTGACCAAGAGATGGCCACCTGGAAGGACTA
 ATGAAGGACCTAAACGCTATCACAACAGCATGA

Restriction Sites:

Please inquire

ACCN:

NM_001172624

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001172624.1, NP_001166095.1</u>
RefSeq Size:	7055 bp
RefSeq ORF:	4353 bp
Locus ID:	4756
UniProt ID:	<u>Q92859</u>
Cytogenetics:	15q24.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
Gene Summary:	<p>This gene encodes a cell surface protein that is a member of the immunoglobulin superfamily. The encoded protein consists of four N-terminal immunoglobulin-like domains, six fibronectin type III domains, a transmembrane domain and a C-terminal internal domain that shares homology with the tumor suppressor candidate gene DCC. This protein may be involved in cell growth and differentiation and in cell-cell adhesion. Defects in this gene are associated with cell proliferation in certain cancers. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]</p> <p>Transcript Variant: This variant (3) lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (3) is shorter than isoform 1.</p>