

## Product datasheet for **SC108195**

### **NETO1 (NM\_138966) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NETO1 (NM_138966) Human Untagged Clone
Tag:	Tag Free
Symbol:	NETO1
Synonyms:	BCTL1; BTCL1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:**

```

>OriGene sequence for NM_138966 edited
GAATTCGGCACGAGGCTCGACCCCTGTCCTCCCCCGCCACTGGAAGTCTTCCCGTCTCTA
AATGGAATTAGTGGAGCCCGGAGCCTCTGGTGTAAACGCACAGACATGATCCATGGGCGCA
GCGTGTCTCACATTGTAGCAAGTTAATCATCCTCCATTTGTCTGGGGCAACCAAGAAAG
GAACAGAAAAGCAAACCACTCAGAAACACAGAAGTCAGTGCAGTGTGAACTTGGACAA
AACATGCAGAGGGAGGTATCTTTACCTCTCCCACTATCCCAGCAAGTATCCCCCTGACC
GGGAATGCATCTACATCATAGAAGCCGCTCCAAGACAGTGCATTGAACTTTACTTTGATG
AAAAGTACTCTATTGAACCGTCTTGGGAGTGCAAATTTGATCATATTGAAGTTCGAGATG
GACCTTTTGGCTTTTCTCCAATAATTGGACGTTTCTGTGGACAACAAAATCCACCTGTCA
TAGAAATCCAGTGAAGATTTCTATGGATTAATTTTTTGTGATGGAGAGCTGGAATCT
ATGGGATTTTTCAGCTCGATACAATTTTACACCTGATCCTGACTTTAAGGACCTTGGAGCT
TTGAAACCATTACCAGCGTGTGAGTTTGGAGATGGGCGGTTCCGAAGGAATTGTGGAGTCT
ATACAAATATGAAGGAAGGCAAAGCTACTGCTAGCGAGGCTGTTGATTGCAAGTGGTAC
ATCCGAGCACCTCCACGGTCCAAGATTTACTTACGATTCTTGGACTATGAGATGCAGAAT
TCAAATGAGTGAAGAGGAATTTTGTGGCTGTGTATGATGGAAGCAGTCCCGTGGAGGAT
TTGAAAGCTAAGTTCTGTAGCACTGTGGCTAATGATGTCATGCTACGCACGGGTCTTGGG
GTGATCCGCATGTGGCAGATGAGGGCAGTCGAAACAGCCGATTTTCAGATGCTCTTCACA
TCCTTTCAAGAACCTCCTTGTGAAGCAACACATTTCTTCTGCCATAGTAACATGTGTATT
AATAATACTTTGGTCTGCAATGGACTCCAGAAGTGTGTATCCTTGGGATGAAAATCAC
TGTAAGAGAAGAGGAAAACAGCCTGCTGGACCAGCTGACCAACACCAGTGGGACTGTC
ATTGGCGTGACTTCTGCATCGTATCATCCTCATTATCATCTCTGTATCGTACAGATC
AAACAGCCTCGTAAAAAGTATGTCCAAAGGAAATCAGACTTTGACCAGACAGTTTTCCAG
GAGGTATTTGAACCTCCTCATTATGAGTTATGCACTCTCAGAGGGACAGGAGCTACAGCT
GACTTTGCAGATGTGGCAGATGACTTTGAAAATTACCATAAACTGCGGAGGTCATCTTCC
AAATGCATTATGACCATCACTGTGGATCACAGCTGTCCAGCACTAAAGGCAGCCGAGT
AACCTCAGCACAAGAGATGCTTCTATCTTGACAGAGATGCCACACAGCCAGGAAAACCC
CTCATCCCACCCATGAACAGAAGAAATATCCTTGTGATGAAACACAACACTACTCGCAAGT
GCTGCAGATGCCTGTGACATAGATGAAATCGAAGAGGTGCCGACCACCAGTCACAGGCTG
TCCAGACACGATAAAGCCGTCCAGCGTCTGCCTCATTGGGTCTCTAAGCAAACATGAA
TCTGAATACAACACAACACTAGGGTCTAGAAAGAAAATCAAGATGAGGAAACTGAAGAGTT
TTAGTAACTTTTTAAAGATTACACAATAACAATGATGAATCAAGCTTTGAAGCCAACT
CACCAACCACAAGATCAACCAACACTCTTCACCAATGTGTAATATAACCCAGTTAATATT
CAACATAGTACGTACTGTGAAAGAAAGTTGATACTTATTCATATTAACCCGTAGTTTTG
TGTTTTCTCATCTGTAAGATGATGATTATAACACCTTCTCTCCACCTTACAGCGTGTGA
GGTTCAAATGACCATTTCATTGGAAGATATTTTTATATCCTATAATGCATTATAAAAAATA
AATCATTTTTCTAAAAAAAAAAAAAAAAAACTCGAC
    
```

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_138966 unedited TTCCCATTAGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCTCGACCCTGT CCTCCCCCGCCACTGGAAGTCTTCCCCTCTCTAAATGGAATTAGTGGAGCCCGGAGCCT CTGGTGTAAACGCACAGACATGATCCATGGGCGCAGCGTGCTTCACATTGTAGCAAGTTTA ATCATCTCCATTTGTCTGGGGCAACCAAGAAAGGAACAGAAAAGCAAACCACCTCAGAA ACACAGAAAGTCAGTGCAGTGTGGAACCTGGACAAAACATGCAGAGGGAGGTATCTTTACC TCTCCCAACTATCCCAGCAAGTATCCCCCTGACCGGGAATGCATCTACATCATAGAAGCC GCTCCAAGACAGTGCATTGAACTTTACTTTGATGAAAAGTACTCTATTGAACCGTCTTGG GAGTGCAAAATTTGATCATATTGAAGTTCGAGATGGACCTTTTGGCTTTTCTCCAATAATT GGACGTTTCTGTGGACAACAAAATCCACCTGTCATAAAAATCCAGTGGAAGATTTCTATGG ATTAATTTTTTCTGATGGAGAGCTGGAATCTATGGGATTTTCAGCTCGATAACAATTC ACACCTGATCCTGACTTTAAGGACCTTGGAGCTTTGAAACCATTACCAGCGTGTGAGTTT GAGATGGCGGTTCCGAAGGAATTGTGGAGTCTATACAAATTATGAANGAAGGCANAGCT ACTGCTAGCGAGGCTGTTGATTGCAAGTGGTACATCCGAGCACCTNCACGGTCCAAGATT TACTTACGATTCTTGACTATGAGATGCAGAATTTCAATGAGTGCAGAGGAAATTTGTGG CTGTGTATGATGGAAGCAGTTCCGTGGAGGGATTGAAAGCTAAAGTCTGTAGCACTGTGG CTAATGATGTCATGCTACGCACGGTCTTGGNGTGATCCGCATGTGGCAGATGAGGC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_138966
<b>Insert Size:</b>	2100 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_138966.2</a> , <a href="#">NP_620416.1</a>
<b>RefSeq Size:</b>	2513 bp
<b>RefSeq ORF:</b>	1602 bp
<b>Locus ID:</b>	81832
<b>UniProt ID:</b>	<a href="#">Q8TDF5</a>
<b>Cytogenetics:</b>	18q22.3
<b>Domains:</b>	CUB, ldl_recept_a
<b>Protein Families:</b>	Druggable Genome, Transmembrane

**Gene Summary:**

This gene encodes a transmembrane protein containing two extracellular CUB domains followed by a low-density lipoprotein class A (LDLa) domain. This protein is thought to play a critical role in spatial learning and memory by regulating the function of synaptic N-methyl-D-aspartic acid receptor complexes in the hippocampus. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2017]

Transcript Variant: This variant (3) differs in the 5' UTR, 3' UTR, and coding region, compared to variant 1. These differences cause translation initiation at an alternate start codon, compared to variant 1. The encoded protein (isoform 3) is longer and