

Product datasheet for **RG208002**

NETO1 (NM_138966) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NETO1 (NM_138966) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NETO1
Synonyms:	BCTL1; BTCL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG208002 representing NM_138966
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCCATGGGCGCAGCGTGTTCACATTGTAGCAAGTTAATCATCCTCCATTGTCTGGGGCAACCA
 AGAAAGGAACAGAAAAGCAAACCTCAGAAACACAGAAGTCAGTGCAGTGTGGAACCTGGACAAAACA
 TGCAGAGGGAGGTATCTTTACCTCTCCCAACTATCCCAGCAAGTATCCCCCTGACCGGGAATGCATCTAC
 ATCATAGAAGCCGCTCCAAGACAGTGCATTGAACTTTACTTTGATGAAAAGTACTCTATTGAACCGTCTT
 GGGAGTGCAAATTTGATCATATTGAAGTTCGAGATGGACCTTTTGGCTTTTCTCCAATAATTGGACGTTT
 CTGTGGACAACAAAATCCACCTGTCATAAAATCCAGTGAAGATTTCTATGGATTAATTTTTTGTCTGAT
 GGAGAGCTGGAATCTATGGGATTTTCAGCTCGATACAATTTACACCTGATCCTGACTTTAAGGACCTTG
 GAGCTTTGAAACCATTACCAGCGTGTGAGTTTGAGATGGGCGGTTCCGAAGGAATTGTGGAGTCTATACA
 AATTATGAAGGAAGCAAAGCTACTGCTAGCGAGGCTGTTGATTGCAAGTGTACATCCGAGCACCTCCA
 CGGTCCAAGATTTACTTACGATTCTTGGACTATGAGATGCAGAATTCAAATGAGTGAAGAGGAATTTTG
 TGCTGTGTATGATGGAAGCAGTTCCTGGAGGATTTGAAAGCTAAGTTCGTAGCACTGTGGCTAATGA
 TGTGATGCTACGCACGGGTCTTGGGGTGTCCGCATGTGGGCAGATGAGGGCAGTCGAAACAGCCGATTT
 CAGATGCTCTTCACATCCTTTCAAGAACCTCCTTGTGAAGGCAACACATCTTCTGCCATAGTAACATGT
 GTATTAATAATACTTTGGTCTGCAATGGACTCCAGAAGTGTGTATCCTTGGGATGAAAATCACTGTAA
 AGAGAAGAGGAAAACAGCCTGCTGGACCAGCTGACCAACACCAGTGGGACTGTCATTGGCGTGACTTCC
 TGCATCGTGATCATCCTCATTATCATCTCTGTCATCGTACAGATCAAACAGCCTCGTAAAAAGTATGTCC
 AAAGGAAATCAGACTTTGACCAGACAGTTTTCCAGGAGTATTTGAACCTCCTCATTATGAGTTATGCAC
 TCTCAGAGGGACAGGAGCTACAGCTGACTTTGCAGATGTGGCAGATGACTTTGAAAATTACATAAACTG
 CGGAGGTGATCTTCCAAATGCATTTCATGACCATCACTGTGGATCAGCTGTCCAGCACTAAAGGAGCC
 GCAGTAACCTCAGCACAAGAGATGCTTCTATCTTACAGAGATGCCACACAGCCAGGAAAACCCCTCAT
 CCCACCCATGAACAGAAGAAATATCCTTGTGATGAAACACAACACTACTCGCAAGATGCTGCAGATGCCTGT
 GACATAGATGAAATCGAAGAGGTGCCGACCACCAGTACAGGCTGTCCAGACACGATAAAGCCGTCCAGC
 GGTCTGCCTCATTGGGTCTCTAAGCAAACATGAATCTGAATACAACACAACACTAGGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208002 representing NM_138966
 Red=Cloning site Green=Tags(s)

MIHGRSVLHIVASLIILHLSGATKKGTEKQTTSETQKSVQCWTWKHAEGGIFTSPNYPSKYPPDRECIY
 IIEAAPRQCIELYFDEKYSIEPSWECKFDHIEVRDGPFGFSPIIGRFQCGQNPPIKSSGRFLWIKFFAD
 GELESMGFSARYNFTPDPDFKDLGALKPLPACEFEMGGSEGIVESIQIMKEGKATASEAVDCKWYIRAPP
 RSKIYLRFLDYEMQNSNECKRNFVAVYDSSSVEDLKAKFCSTVANDVMLRTGLGVIRMWADGSRNSRF
 QMLFTSFQEPPEGNTFFCHSNMCINNTLVNGLQNCVYPWDENHCKEKRKTSLLDQLTNTSGTVIGVTS
 CIVIILIIISVIVQIKQPRKYYVQRKSDFDQTVFQEVFEPHYELCTLRGTGATADFADVADDFENYHKL
 RRSSKCIHDHHCQSLSSTKGSRSNLSTRDASILTEMPQPGKPLIPPMNRRNILVMKHYSQDAADAC
 DIDEIEEVPTTSHRLSRHDKAVQRFCLIGLSKHESEYNTTRV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_138966

ORF Size: 1599 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [NM_138966.4](#)

RefSeq Size: 6326 bp

RefSeq ORF: 1602 bp

Locus ID: 81832

UniProt ID: [Q8TDF5](#)

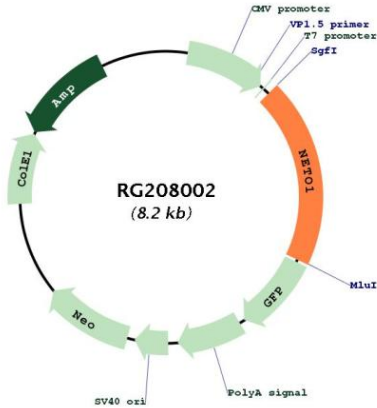
Cytogenetics: 18q22.3

Domains: CUB, Idl_recept_a

Protein Families: 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]

Product images:



Circular map for RG208002