

Product datasheet for **RC234368**

NETO1 (NM_001201465) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NETO1 (NM_001201465) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NETO1
Synonyms:	BCTL1; BTCL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234368 representing NM_001201465
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCCATGGGCGCAGCGTGTTCACATTGTAGCAAGTTAATCATCCTCCATTGTCTGGGGCAACCA
 AGAAAGGAACAGAAAAGCAAACCTCAGAAACACAGAAGTCAAGTGCAGTGTGGAACCTGGACAAAACA
 TGCAGAGGGAGGTATCTTTACCTCTCCAACTATCCCAGCAAGTATCCCCCTGACCGGGAATGCATCTAC
 ATCATAGAAGCCGCTCCAAGACAGTGCATTGAACTTTACTTTGATGAAAAGTACTCTATTGAACCGTCTT
 GGGAGTGCAAAATTTGATCATATTGAAGTTCGAGATGGACCTTTTGGCTTTTCTCCAATAATTGGACGTTT
 CTGTGGACAACAAAATCCACCTGTCATAAAAATCCAGTGAAGATTTCTATGGATTAATTTTTTGTCTGAT
 GGAGAGCTGGAATCTATGGGATTTTCAGCTCGATACAATTTACACCTGATCCTGACTTTAAGGACCTTG
 GAGCTTTGAAACCATTACCAGCGTGTGAGTTTGAGATGGGCGGTTCCGAAGGAATTGTGGAGTCTATACA
 AATTATGAAGGAAGCAAAGCTACTGCTAGCGAGGCTGTTGATTGCAAGTGTACATCCGAGCACCTCCA
 CGGTCCAAGATTTACTTACGATTCTGGACTATGAGATGCAGAATTCAAATGAGTGAAGAGGAATTTTG
 TGCTGTGTATGATGGAAGCAGTTCCTGGAGGATTTGAAAGCTAAGTTCGTAGCACTGTGGCTAATGA
 TGTCTAGCTACGCACGGGTCTTGGGGTGTCCGCATGTGGGCAGATGAGGGCAGTCGAAACAGCCGATTT
 CAGATGCTCTTCACATCCTTTCAAGAACCTCCTTGTGAAGGCAACACATTCCTTCTGCCATAGTAACATGT
 GTATTAATAATACTTTGGTCTGCAATGGACTCCAGAAGTGTGTATCCTTGGGATGAAAATCACTGTAA
 AGAGAAGAGGAAAACAGCCTGCTGGACCAGCTGACCAACACCAGTGGGACTGTCATTGGCGTGACTTCC
 TGCATCGTGATCATCCTCATTATCATCTCTGTCATCGTACAGATCAAACAGCCTCGTAAAAAGTATGTCC
 AAAGGAAATCAGACTTTGACCAGACAGTTTTCCAGGAGTATTTGAACCTCCTCATTATGAGTTATGCAC
 TCTCAGAGGGACAGGAGCTACAGCTGACTTTGCAGATGTGGCAGATGACTTTGAAAATTACCATAAACTG
 CGGAGGTATCTTCCAAATGCATTATGACCATCACTGTGGATCAGAGTGTCCAGCACTAAAGGACGCC
 GCAGTAACCTCAGCACAAGAGATGCTTCTATCTTACAGAGATGCCACACAGCCAGGAAAACCCCTCAT
 CCCACCCATGAACAGAAGAAATATCCTTGTGATGAAACACAACACTACTCGCAAGATGCTGCAGATGCCTGT
 GACATAGATGAAATCGAAGAGGTGCCGACCACCAGTACAGGCTGTCCAGACACGATAAAGCCGTCCAGC
 GGTCTGCCTCATTGGGTCTCTAAGCAACATGAATCTGAATACAACACAACCTAGGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234368 representing NM_001201465
 Red=Cloning site Green=Tags(s)

MIHGSRVLHIVASLIILHLSGATKKGTEKQTTSETQKSVQCGTWTKHAEGGIFTSPNYPSKYPPDRECIY
 IIEAAPRQCIELYFDEKYSIEPSWECKFDHIEVRDGPFGFSPIIGRFGQNPVVKSSGRFLWIKFFAD
 GELESMGFSARYNFTPDPDFKDLGALKPLPACEFEMGGSEGIIVESIQIMKEGKATASEAVDKWYIRAPP
 RSKIYLRFLDYEMQNSNECKRNFVAVYDSSSVEDLKAKFCSTVANDVMLRTGLGVIRMWADGSRNSRF
 QMLFTSFQEPPEGNTFFCHSNMCINNTLVCNGLQNCVYPWDENHCKEKRKTSLLDQLTNTSGTVIGVTS
 CIVIILIIISVIVQIKQPRKYYVQRKSDFDQTVFQEVFEPHYELCTLRGTGATADFADVADDFENYHKL
 RRSSSKCIHDHHCQSLSSTKGSRSNLSTRDASILTEMPTQPGKPLIPPMNRRNILVMKHYSQDAADAC
 DIDEIEEVPTTSHRLSRHDKAVQRFCLIGSLKHESEYNTTRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001201465

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_001201465.2](#)

RefSeq Size: 2371 bp

RefSeq ORF: 1602 bp

Locus ID: 81832

UniProt ID: [Q8TDF5](#)

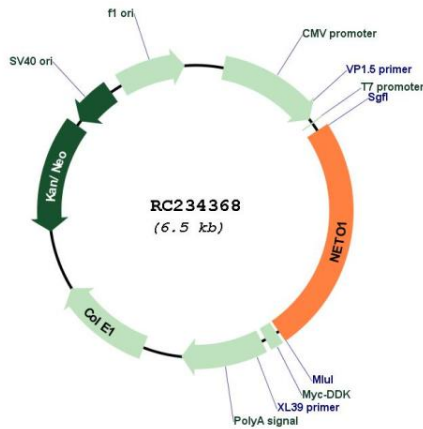
Cytogenetics: 18q22.3

Protein Families: Druggable Genome, Transmembrane

MW: 60.7 kDa

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 RC234368