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Product datasheet for SC331428

NETO1 (NM_001201465) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: NETO1 (NM_001201465) Human Untagged Clone

Tag: Tag Free

Symbol: NETO1

Synonyms: BCTL1; BTCL1

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC331428 representing NM_001201465.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGATCCATGGGCGCAGCGTGCTTCACATTGTAGCAAGTTTAATCATCCTCCATTTGTCTGGGGCAACC
AAGAAAGGAACAGAAAAGCAAACCACCTCAGAAACACAGAAGTCAGTGCAGTGTGGAACTTGGACAAAA
CATGCAGAGGGAGGTATCTTTACCTCTCCCAACTATCCCAGCAAGTATCCCCCTGACCGGGAATGCATC
TACATCATAGAAGCCGCTCCAAGACAGTGCATTGAACTTTACTTTGATGAAAAGTACTCTATTGAACCG
TCTTGGGAGTGCAAATTTGATCATATTGAAGTTCGAGATGGACCTTTTGGCTTTTCTCCAATAATTGGA
CGTTTCTGTGGACAACAAAATCCACCTGTCATAAAATCCAGTGGAAGATTTCTATGGATTAAATTTTTT
GCTGATGGAGAGCTGGAATCTATGGGATTTTCAGCTCGATACAATTTCACACCTGATCCTGACTTTAAG
GACCTTGGAGCTTTGAAACCATTACCAGCGTGTGAGTTTGAGATGGGCGGTTCCGAAGGAATTGTGGAG
TCTATACAAATTATGAAGGAAGGCAAAGCTACTGCTAGCGAGGCTGTTGATTGCAAGTGGTACATCCGA
GCACCTCCACGGTCCAAGATTTACTTACGATTCTTGGACTATGAGATGCAGAATTCAAATGAGTGCAAG
AGGAATTTTGTGGCTGTGTATGATGGAAGCAGTTCCGTGGAGGATTTGAAAGCTAAGTTCTGTAGCACT
GTGGCTAATGATGTCATGCTACGCACGGGTCTTGGGGTGATCCGCATGTGGGCAGATGAGGGCAGTCGA
AACAGCCGATTTCAGATGCTCTTCACATCCTTTCAAGAACCTCCTTGTGAAGGCAACACATTCTTCTGC
CATAGTAACATGTGTATTAATAATACTTTGGTCTGCAATGGACTCCAGAACTGTGTGTATCCTTGGGAT
GAAAATCACTGTAAAGAGAAGAGGAAAACCAGCCTGCTGGACCAGCTGACCAACACCAGTGGGACTGTC
ATTGGCGTGACTTCCTGCATCGTGATCATCCTCATTATCATCTCTGTCATCGTACAGATCAAACAGCCT
CGTAAAAAGTATGTCCAAAGGAAATCAGACTTTGACCAGACAGTTTTCCAGGAGGTATTTGAACCTCCT
CATTATGAGTTATGCACTCTCAGAGGGACAGGAGCTACAGCTGACTTTGCAGATGTGGCAGATGACTTT
GAAAATTACCATAAACTGCGGAGGTCATCTTCCAAATGCATTCATGACCATCACTGTGGATCACAGCTG
TCCAGCACTAAAGGCAGCCGCAGTAACCTCAGCACAAGAGATGCTTCTATCTTGACAGAGATGCCCACA
CAGCCAGGAAAACCCCTCATCCCACCCATGAACAGAAGAAATATCCTTGTCATGAAACACAACTACTCG
CAAGATGCTGCAGATGCCTGTGACATAGATGAAATCGAAGAGGTGCCGACCACCAGTCACAGGCTGTCC
AGACACGATAAAGCCGTCCAGCGGTTCTGCCTCATTGGGTCTCTAAGCAAACATGAATCTGAATACAAC
ACAACTAGGGTCTAG

Restriction Sites: SgfI-MluI

ACCN: NM_001201465

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Insert Size:	1602 bp
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).
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_001201465.1
RefSeq Size:	2371 bp
RefSeq ORF:	1602 bp
Locus ID:	81832
UniProt ID:	Q8TDF5
Cytogenetics:	18q22.3
Protein Families:	Druggable Genome, Transmembrane
MW:	60.2 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] Transcript Variant: This variant (4) 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