

Product datasheet for **MC217661**

Neto1 (NM_144946) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neto1 (NM_144946) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Neto1
Synonyms:	AI851453; Btcl1; C130005O10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217661 representing NM_144946

Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGATCTATGGACGCAGTTTGTTCACATTATAGCAAGTTTAATCATCCTCCATTCTTCTGGAGCAACCA
AGAAAGGAACAGAAAAACAATCACCCAGAAACACAGAAGTCAGTGCAGTGTGGAACGTGGACAAAGCA
TGACAGAGGGAGGTGTCTTTACGTCCTCCCAATTATCCCAGCAAATATCCCCAGACCGAGAGTGTGTCTAC
ATCATAGAAGCTGCCCAAGGCAGTGCATTGAACTTTACTTTGATGAAAAATACTCAATCGAACCATCTT
GGGAGTGCAAATTTGATCATATTGAAGTTCGAGATGGACCCTTTGGCTTTTCTCCAATAATTGGAAGGT
CTGTGGACAACAGAATCCACCTGTAATAAAATCTAGTGAAGATTTCTGTGGATTAATTTTTTGTCTGAT
GGCGAGCTGGAGTCTATGGGATTTTCAGCTCGATATAATTTACACCTGATCCCGACTTTAAGGACCTTG
GAGTTTTGAAACCATTGCCAGCGTGTGAGTTTGAGATGGGCGGCCGGGAAGGAATTGTGGAGTCCATACA
GATTCTGAAGGAAGGCAAAGCTTCTGCCAGTGAAGCCGTGGATTGCAAATGGTACATCCGAGCCCCACCA
CGATCCAAGATTTACTTACGTTTCTTGGACTATGAGATGCAGAATTCAAATGAGTGCAAAAAGAACTTTG
TGGCGGTCTATGACGGAAGCAGCTCCGTGGAGGATTTGAAGGCCAAGTTCTGCAGCACAGTGGCTAATGA
CGTCATGCTGCGCACAGGCCCTTGGGGTGTCCGCATGTGGGCAGACGAGGGTAGCCGTAACAGCAGGTTT
CAGATGCTCTTCACATCCTTTCAAGAACCTCCCTGTGAAGGCAACACATTTCTTCTGCCACAGTAACATGT
GTATTAACAACACGCTAGTCTGCAATGGGCTCCAGAAGTGTGTATATCCCTGGGATGAAAATCACTGTAA
AGAAAAGAGGAAAACAGCCTGCTGGATCAGCTGACCAACACCAGTGGGACGGTCAATGGCGTGACTTCC
TGCATTGTGATCATCCTTATTATCGTTTCTGTCATTGTACAGATCAAACAGCCTCGTAAAAAATACGTCC
AAAGGAAGTCAGACTTTGACCAGACCGTTCAGGAGGTGTTTGAGCCTCCCCACTATGAGTTATGTAC
GCTCAGAGGAACTGGAGCAACAGCCGACTTTGCAGACGTGGCGGAAGACTTTGAAAATTACCATAAACTG
AGGAGATCATCTTCAAATGCATCCATGACCATCACTGTGGATCCCAACTGTCCAGCGCAAAGGCAGTC
GCAGTAACCTCAGCACAAGGGACGCTTCCATTTTGGCAGAGATACCCACACAGCCAGTCAAGCCCCTCAT
CCCACCCGTGAACAGAAGGAACATCCTGGTCAATGAAACACAACACTACTCACAAGATGCCGCCGATGCCTGT
GACATCGACGAGATTGAGGAGGTGCCACCACAAGCCACAGGCTATCCAGACACGAAAAATCTGTCCAGC
GGTTCTGCCTCATTGGGTCTCTAAGCAAACATGAATCTGAATACAACACAACACTAGGGTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_144946

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: [BC051145](#), [AAH51145](#)

RefSeq Size: 2297 bp

RefSeq ORF: 1602 bp

Locus ID: 246317

UniProt ID: [Q8R4I7](#)

Cytogenetics: 18 E4

Gene Summary: Involved in the development and/or maintenance of neuronal circuitry. Accessory subunit of the neuronal N-methyl-D-aspartate receptor (NMDAR) critical for maintaining the abundance of GRIN2A-containing NMDARs in the postsynaptic density. Regulates long-term NMDA receptor-dependent synaptic plasticity and cognition, at least in the context of spatial learning and memory.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.