

Product datasheet for **RN215280**

Neto2 (NM_001107417) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neto2 (NM_001107417) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Neto2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN215280 representing NM_001107417
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCCCTGGAGCAGCTCTGCGCGTCTCCTCAAAGTGTTGCTAATAACGGTACTCGTAGTGAAGGGATTG
 CTGTGGCCCAAAAGACCCAAGATGGACAAAATATTGGAATCAAGCATGTTCTGCAACCCAGTGTGGCAT
 TTGGGTTCTGAACAGCAACGGAGGTCAATTTGCTTCCCCAAATTATCCTGACTCTATCCGCCAAACAAG
 GAGTGTATCTATATTTTGAAGCTGCTCCTCGTCAACGGATAGAGCTGACCTTTGATGAACGATATTATA
 TAGAGCCATCATTTGAATGCCGTTTGATCACTTGAAGTTCGAGACGGGCCATTTGGCTTCTCTCTCT
 TATAGATCGTTACTGTGGCATGAAAAGCCCTGCATTAATTAGGTCAACAGGAAGATTCATGTGGATTAA
 TTTAGTCTGATGAAGAACTGAAGGACTAGGATTCGAGCAAAATACTCATTATCCAGATCCAGACT
 TTAATTACCTGGAGGTATTTAAATCCATTCCAGATTGCCAGTTTGAGCTCTCGGGAGCTGATGGAAT
 AGTGCGGTCTAGCCAAGTAGAACAGGAGGAAAAACAAGCCCGCCAAGCGTTGACTGCATATGGACA
 ATTAAGCTACCCCGAAAGCTAAGATTTACTTGAGGTTCTTAGATTATCAAATGGAACACTCAAATGAAT
 GCAAAAGAAATTTTGTGGCAGTCTATGATGGGAGCAGCGCTATCGAAAATCTGAAGGCCAAGTTCTGCAG
 CACCGTGGCTAACGACGTAATGTTGAAAACGGGAGTGGGGGTGATCCGGATGTGGGCAGACGAAGGCAGT
 CGGCTGAGCAGGTTCAAGATGCTCTTCACTTCTTTGTGGAGCCTCCCTGTACAAGCAGCACTTTCTTTT
 GCCATAGCAACATGTGCATCAACAATTCATTAGTCTGTAATGGCGTTCAAAACGTGCATACCCTTGGGA
 TGAGAACCAGTGTAAAGAAAAGAAAAAGCCGGACTGTTTGAACAAATCACGAAGACTCATGGGACGATC
 ATGGGTGCACATCAGGGATCGTCCTGGTCTTCTCATTATTTCTATTTTAGTACAAGTGAAACAGCCCC
 GGAAAAAGGTGATGGCTTGCAAACTGCATTTAATAAACTGGGTTCCAGGAAGTATTTGATCCTCTCA
 TTATGAACATATTTTCACTAAGAGAGAAAGAGATTTCTGCAGATCTGGCAGATTTGTGAGAAGAAGTTGAC
 AACTACGAGAAGCTGCGACGCTCTCCACGGCCTCTCGGTGCATCCATGACCACCACTGTGGGTCTCAAG
 CATCCAGTGTCAAACAAAGCAGGACCAACCTCAGTTCCATGGAACCTCCCTTCCGAAATGATTTTGACA
 ACCACAGCCAATGAAAACATTTAATAGCACCTTCAAAAAAGCAGTTACACTTTCAAACAAACCATGAC
 TGCCCTGAACAGGCTCTAGAGGACAGAGTGATGGAGGAGATTCCTGTGAAATCTATGTCAGAGGGCGAG
 ATGACTCTGCACAAGCGTCCATATCCATCGACTTT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001107417

Insert Size: 1578 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:	<u>NM_001107417.2, NP_001100887.2</u>
RefSeq Size:	1578 bp
RefSeq ORF:	1578 bp
Locus ID:	307757
UniProt ID:	<u>C6K2K4</u>
Cytogenetics:	19p11
Gene Summary:	Accessory subunit of neuronal kainate-sensitive glutamate receptors, GRIK2 and GRIK3. Increases kainate-receptor channel activity, slowing the decay kinetics of the receptors, without affecting their expression at the cell surface, and increasing the open probability of the receptor channels. Modulates the agonist sensitivity of kainate receptors. Slows the decay of kainate receptor-mediated excitatory postsynaptic currents (EPSCs), thus directly influencing synaptic transmission.[UniProtKB/Swiss-Prot Function]