

Product datasheet for **MR208549**

Neto1 (NM_144946) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR208549 representing NM_144946
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCTATGAGCGCAGTTTGTTCACATTATAGCAAGTTTAATCATCCTCCATTCTTCTGGAGCAACCA
 AGAAAGGAACAGAAAAACAATCACCCAGAAACACAGAAGTCAAGTGCAGTGTGGAACTGGACAAAGCA
 TGCAGAGGGAGGTGCTTTACGTCTCCCAATTATCCAGCAAATATCCCCAGACCGAGAGTGTGTCTAC
 ATCATAGAAGCTGCCCAAGGCAGTGCATTGAACTTTACTTTGATGAAAAATACTCAATCGAACCATCTT
 GGGAGTGCAAATTTGATCATATTGAAGTTCGAGATGGACCCTTTGGCTTTTCTCCAATAATTGGAAGGT
 CTGTGGACAACAGAATCCACCTGTAATAAAATCTAGTGAAGATTTCTGTGGATTAATTTTTTGTCTGAT
 GGGCAGCTGGAGTCTATGGGATTTTCAGCTCGATATAATTTACACCTGATCCCGACTTTAAGGACCTTG
 GAGTTTTGAAACCATTGCCAGCGTGTGAGTTTGAGATGGGCGGCCGGAAGGAATTGTGGAGTCCATACA
 GATTCTGAAGGAAGCAAAGCTTCTGCCAGTGAAGCCGTGGATTGCAAATGGTACATCCGAGCCCCACCA
 CGATCCAAGATTTACTTACGTTTCTGGACTATGAGATGCAGAATTCAAATGAGTGCAAAAAGAACTTTG
 TGGCGGTCTATGACGGAAGCAGCTCCGTGGAGGATTTGAAGGCCAAGTTCTGCAGCACAGTGGCTAATGA
 CGTCATGCTGCGCACAGGCCCTTGGGTGATCCGCATGTGGGCAGACGAGGGTAGCCGTAACAGCAGGTTT
 CAGATGCTCTTACATCCTTTCAAGAACCTCCCTGTGAAGGCAACACATTTCTTCTGCCACAGTAACATGT
 GTATTAACAACACGCTAGTCTGCAATGGGCTCCAGAAGTGTATATCCCTGGATGAAAATCACTGTAA
 AGAAAAGAGGAAAACAGCCTGCTGGATCAGCTGACCAACACCAGTGGGACGGTCAATGGCGTGACTTCC
 TGCATTGTGATCATCCTTATTATCGTTTCTGTCATTGTACAGATCAAACAGCCTCGTAAAAAATACGTCC
 AAAGAAAGTCAGACTTTGACCAGACCGTTTCCAGGAGGTGTTTGAGCCTCCCACTATGAGTTATGTAC
 GCTCAGAGGAAGTGGAGCAACAGCCGACTTTGCAGACGTGGCGGAAGACTTTGAAAATTACCATAAACTG
 AGGAGATCATCTTCAAATGCATCCATGACCATCACTGTGGATCCCAACTGTCCAGCGCAAAGGCAGTC
 GCAGTAACCTCAGCACAAGGGACGCTTCCATTTTGGCAGAGATACCCACACAGCCAGTCAAGCCCCTCAT
 CCCACCCGTGAACAGAAGGAACATCCTGGTCAAGAAACAACACTACTCACAAGATGCCGCCGATGCCTGT
 GACATCGACGAGATTGAGGAGGTGCCACCACAAGCCACAGGCTATCCAGACACGAAAAATCTGTCCAGC
 GGTCTGCCTCATTGGTCTCTAAGCAAACATGAATCTGAATACAACAACACTAGGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208549 representing NM_144946
 Red=Cloning site Green=Tags(s)

MIYGRSLFHIIASLIILHSSGATKKGTEKQITPETQKSVQCGTWTKHAEGGVFTSPNYPSKYPPDRECVY
 IIEAAPRQCIELYFDEKYSIEPSWECKFDHIEVRDGPFGFSPIIGRFGQNPVVKSSGRFLWIKFFAD
 GELESMGFSARYNFTPDPDFKDLGVLKPLPACEFEMGGPEGIVESIQILKEGKASASEAVDCKWYIRAPP
 RSKIYLRFLDYEMQNSNECKRNFVAVYDSSSVEDLKAKFCSTVANDVMLRTGLGVIRMWADEGSRNSRF
 QMLFTSFQEPPEGNTFFCHSNMCINNTLVCNGLQNCVYPWDENHCKEKRKTSLLDQLTNTSGTVIGVTS
 CIVIILIIIVSVIVQIKQPRKYYVQRKSDFDQTVFQEVFEPHYELCTLRGTGATADFADVAEDFENYHKL
 RRSSSKCIHDHHCQSLSAKGSRNLSTRDASILAEIPTQPVKPLIPPVNRNRLVMKHNSQDAADAC
 DIDEIEEVPTTSHRLSRHEKSVQRFCLIGSLKHESEYNTTRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9015_g02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_144946

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_144946.5](#)

RefSeq Size: 3531 bp

RefSeq ORF: 1602 bp

Locus ID: 246317

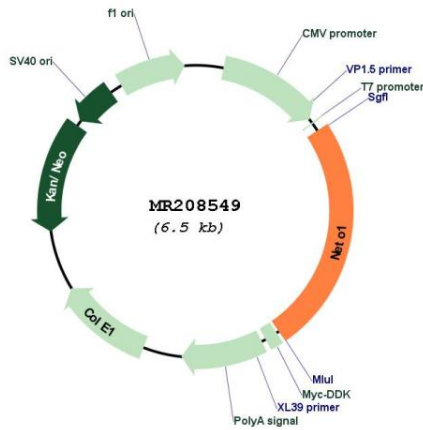
UniProt ID: [Q8R4I7](#)

Cytogenetics: 18 E4

MW: 60.7 kDa

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]

Product images:



Circular map for MR208549