

Product datasheet for **MC218849**

Neto2 (NM_001081324) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Neto2
Synonyms:	5530601C23Rik; AI854825; BTCL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>NM_001081324.1

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAACAAATGCAGTGACCCACAGCCAAACATTAGGCAGAGCTTGGGAATCCTGTGGAAGAATAAGG
ATGGAATGAGCCAGAATGATCAAGGACACCATAAGAAAACATACAGAATTAACCTACCTGGACCCATAGT
GTTGCTGATAACAGTACTTGTCTGTGAAGGGATTGCTGTGGCCAAAAACCCAGATGGACAAAATATT
GGAATCAAGCACATTCTGCAACCCAGTGTGGTATTTGGGTTCGAACAGCAATGGAGGTCATTTTGCTT
CACCAAAATTATCCTGACTCATATCCACCAACAAGGAGTGTATCTATTTTGAAGCTGCTCCTCGTCA
ACGAATAGAGCTGACCTTTGATGAACGCTATTATATAGAGCCATCATTCGAATGTCGGTTTGATCACTTG
GAAATTCGAGACGGGCCATTTGGTTTTCTCCTTTATAGATCGTTACTGTGGCATGAAAAGCCCTGCAT
TAATTAGGTCAACGGGAAGATTCATGTGGATTAATTTAGTTCTGATGAAGAACTGAAGGACTAGGATT
TCGAGCAAAATACTCATTATCCAGATCCAGACTTTACTTACCTTGGAGATTGCCAGTTTGAGCTCTCT
GGAGCTGATGGAATAGTACGGTCTAGCCAAGTAGAGCAAGAAGAGAAAAACAAAGCCTGGCCAAGCAGTTG
ATTGCATATGGACAATTAAGCTACTCCAAAAGCTAAGATTTATTTGAGGTTCTAGATTACCAATGGA
ACACTCAAATGAATGCAAAAGAAATTTTGTGGCAGTCTATGATGGAAGCAGTGCTATCGAAAATCTGAAG
GCCAAGTTCTGCAGCACTGTGGCTAATGATGTCATGTTGAAAACAGGAGTCGGAGTGATCCGGATGTGGG
CAGACGAAGGCAGTCGGCTTAGCAGGTTTAGGATGCTCTTCACTTCTTTGTGGAACCTCCCTGTACAAG
CAGCACTTTCTTTGCCATAGCAACATGTGCATCAACAATTTAGTCTGTAATGGTGTTCAAAAGTGT
GCATACCTTGGGATGAGAATCACTGTAAGAAAAGAAAAAGCTGGACTATTTGAACAAATCACTAAAA
CTCATGGGACAATTATTGGCATTACATCAGGAATTGCTTGGTCTTCTCATTATTTCTATTTTAGTACA
AGTGAAACAGCCCCGAAAAAGGTTATGGCTTGCAAACTGCATTTAATAAACTGGGTTCCAGGAAGTA
TTTGATCCTCCTCATTATGAATATTTTCACTAAGAGAGAAAGAGATTTCTGCAGATCTGGCAGATTGT
CAGAAGAACTTGACAATACCAAGAGTTCGGCGCTCCTCCACGGCTCCCGGTGCATTACGACCACCA
CTGTGGATCACAAGCATCCAGTGTGAAACAAAGCAGGACCAACCTCAGTTCCATGGAACCTCCCTCCGA
AATGATTTTGCACAACCACAGCCAATGAAAACATTTAATAGCACCTTCAAAAAAGCAGCTACACTTTCA
AACAAGCTCATGAGTGCCCTGAACAGGCTCTAGAGGACAGAGTGATGGAGGAGATTCCTGTGAAATTTA
TGTCAGAGGCGGAGACGATTCTGCACAAGCATCCATATCCATCGACTTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:

https://cdn.origene.com/chromatograms/ja1502_e04.zip

Restriction Sites:

SgfI-MluI

ACCN:

NM_001081324

Insert Size:

1662 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001081324.1, NP_001074793.1</u>
RefSeq Size:	5646 bp
RefSeq ORF:	1662 bp
Locus ID:	74513
UniProt ID:	<u>Q8BNJ6</u>
Cytogenetics:	8 C3
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 (By similarity).[UniProtKB/Swiss-Prot Function]