

Product datasheet for **MC218205**

Neurl (BC058386) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Neurl
Synonyms:	Nlz, Neul, Rnf67
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>BC058386

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

 TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

 ATGGGTAACAACTTCTCCAGTGTCTCTCTCTGCAGCGAGGAAACCCGAGCCGCGCTCGCGGGGCCACC
 CCCAGAACCTCAAAGACTCCATCGGGGGCTCCTTCCCGGTGCCCTCTCACCAGTGCCATCACAAGCAGAA
 GCATTGCCCGCTACGCTGTACAGTGGGGGGCTCCCGCCACGCCGCTGCTCTTCCATCCCCACACTAAG
 GGCTCCAGATCCTCATGGACCTCAGCCACAAGGCCGTCAAGAGGCAGGCCAGCTTTTGCAATGCCATCA
 CCTTCAGTAACCGCCCGGTGCTCATCTACGAGCAAGTCAGGCTGAAGATCACCAGAAGCAATGCTGCTG
 GAGCGGGGCCCTGCGACTTGGCTTACCAGCAAGGACCCTTCCCGCATCCACCCGACTCGCTGCCAAG
 TACGCTGCCCTGACCTGGTGTCTCAGAGTGGCTTCTGGGCCAAAGCATTGCCTGAGGAGTTTGCAACG
 AGGGCAACATCATTGCCTTCTGGGTGGACAAGAAGGGCCGCGTCTTCTACCGGATCAATGAGTCAGCTGC
 TATGCTTTTCTTCACTGGGGTCCGACGGTGGACCCGCTCTGGGCCCTGGTGGACGCTACGGCCCTCAG
 CGGGGTGTCCAGCTGCTAGACAGCGAGCTGGTGTGCCGACTGCCTGCGGCCGCGCTCCTTACCAGCGC
 TCGCGCGCGCGCTGCTGCGGTGCGAGGCGGATGAGGCGCGCTGTGCGTGAAGCTGTGCGACCTCAACGT
 GCCGGGAGCCGACGGGACGACGGCGCACCGCTGCCGGTGCCCGATCCCGCAGAAGCTCGCTCAATTCT
 CAGCACAGCCGCGCGCTGCCGGCGCAGCTCGACGGCGACCTGCGCTTCCACGCGCTTCGCGCCGGCGCG
 ACGTCCGCATCCTGGACGAGCAGACGGTGGCGCGCTGGAGCACGGGCGCGACGAGCGCGCGCTCGTCTT
 CACCAGCCGCGCTGTGCGGTGGCCGAGACCATCTTCATCAAGGTCACGCGCTCGGGCGGGGGCGAGCG
 GGCGCGCTGTCTTGGGGTACACAGTGTGACCTGGCACGCTGCGGCCCGCCGACCTGCCCTTACGCC
 CCGAGGCCCTGGTGGACCGCAAGGAGTTCTGGGCGGTGTGTCGCTGCCGGGCTCTGCACAGCGCGA
 CATCTGGGCTGGTGGTCAACGCGGACGAGAGCTGCACCTGAGTCACAACGCGCGCGCGCGCGCATG
 CAGCTGTGCGTGGATGCCTCGAGGCCCTCTGGATGCTCTTCAAGCTGCATGGCGCCATCAGCAGGTCC
 GCATCTCGGCTCCACCATCATGACTGAACGGGGTGGCCATCTCTCCCTGCTCACCTGCCTCCACTCC
 AACCTCACCCAGTGCCCTGGGCATCCGCTCTCTGACCCCTGCTCAGCACCTGCGGTTCTGGGCCCTA
 GGTGGCTCTGCTGGAGGACAGCCCCCACTCACCTGTGAGCTGCCCCAGTCAACGGTGACCCAGGTC
 TGGGCCAGTGGAGTGATGAATGCACCATTTGCTATGAACACGAGTGGACACAGTCATCTACACGTGTGG
 CCACATGTGCTGTGCTACTCTGTGGCTGCGCTCAAGAAGGCCCTGCACGCTGCTGCCCCATCTGC
 CGTCCCCCATCAAGGACATCATCAAGACCTACCGCAGCTCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

BC058386

Insert Size:

1725 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>BC058386</u> , <u>AAH58386</u>
RefSeq Size:	3995 bp
RefSeq ORF:	1724 bp
Locus ID:	18011
Cytogenetics:	19 39.39 cM
Gene Summary:	Plays a role in hippocampal-dependent synaptic plasticity, learning and memory. Involved in the formation of spines and functional synaptic contacts by modulating the translational activity of the cytoplasmic polyadenylation element-binding protein CPEB3. Promotes ubiquitination of CPEB3, and hence induces CPEB3-dependent mRNA translation activation of glutamate receptor GRIA1 and GRIA2. Can function as an E3 ubiquitin-protein ligase to activate monoubiquitination of JAG1 (in vitro), thereby regulating the Notch pathway. Acts as a tumor suppressor; inhibits malignant cell transformation of medulloblastoma (MB) cells by inhibiting the Notch signaling pathway.[UniProtKB/Swiss-Prot Function]