

## Product datasheet for **MC209052**

### **Nptx1 (NM\_008730) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nptx1 (NM_008730) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nptx1
Synonyms:	D11Bwg1004e; Np1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC209052 representing NM\_008730  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGGCCGGCCGCGCCGACGCACCTGTGCGCTGCTCGCCCTGCGCTCCTGGCAGTGGGGCCCAAG  
 ATTTCCGGGCCGACCCGCTTCATCTGCACCTCGGTGCCGGTGGATGCAGACATGTGTGCCCGTCCGTGGC  
 TGGGGGGCGCGGAGGAGCTTCGGAGCAACGTGCTGCAGCTCCGCGAGACCGTGTGCAGCAGAAGGAG  
 ACCATCCTCAGCCAGAAGGAGACCATCAGGGAGCTGACCACCAAGCTTGGCCGCTGCGAGAGCCAGAGCA  
 CCCTGGACTCGGGTCCCGCGAGGCCAGGTGGGAGGGCGCCGAAGCAGCCTGGCTCGGGCAAGAACAC  
 GATGGGCGACCTGTCCCGGACGCGCGCCGCGGAGACGCTCAGCCAACCGGGCAAACCTTTGCAATCTCTC  
 AAAACCCGACTGGAGAACCTCGAGCAGTACAGCCGCTCAATTCTCCAGCCAAACCAACAGCCTCAAGG  
 ATCTGCTGCAGAGCAAGATCGATGACCTGGAGCGCAGGTGCTGTCTCGGGTGAACACTCTGGAGGAGGG  
 GAAAGGGGGCCCAAGAACGACACAGAGAAAGGGCCAAGATCGAGAGCGCCTTGACCTCCCTACACCAA  
 CGGATCAGCGAGCTGGAGAAAGGTCAGAAAGACAATCGCCCCGGAGACAAGTTTCAGCTGACATCCAC  
 TGGCGACCAACTACATGTATGCCAAGGTGAAGAAGAGCCTGCCAGAGATGTATGCCTTACCCTGTGCAT  
 GTGGCTCAAGTCCAGTGCGGCGCCTGGAGTGGGCACACCCCTTCTTTATGCTGTGCCTGGGCAGGCCAAC  
 GAACTGGTCTCATCGAGTGGGGCAACAACCCATGGAGATACTCATTAAATGACAAGGTGGCCAAGCTGC  
 CGTTTGTAAATCAACGATGGCAAATGGCATCACATCTGTGTACCTGGACCACCCGGGATGGGGTCTGGGA  
 GGCCTATCAGGATGGCACCCAGGGTGGCAATGGAGAGAACTTGGACCCTATCACCCATCAAACACAG  
 GCGTGTGGTGTGGTTCAGGAACAGGACACTTAGGTGGAGGGTTTGTATGCCACCAAGCATTGTGG  
 GTGAGTAGCCCATTTCAACATCTGGGACCGCAAGCTGACCCCGGGGAGGTGTACAACCTGGCCACCTG  
 CAGCAGCAAGGCTCTCTGGAATGTATCGCCTGGGCTGGTCCAGATCGAGATCTTTGGTGGAGCC  
 ACCAAGTGGACATTTCAGGCTTGTGCCAGATCAACT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_008730

**Insert Size:** 1299 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:** [NM\\_008730.2](#), [NP\\_032756.1](#)

RefSeq Size: 5284 bp

RefSeq ORF: 1299 bp

Locus ID: 18164

UniProt ID: [Q62443](#)

Cytogenetics: 11 83.95 cM

Gene Summary: May be involved in mediating uptake of synaptic material during synapse remodeling or in mediating the synaptic clustering of AMPA glutamate receptors at a subset of excitatory synapses.[UniProtKB/Swiss-Prot Function]