

## Product datasheet for **MC216403**

### **Npcd (NM\_001013362) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Npcd (NM_001013362) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Npcd
Synonyms:	Cbx6-Nptxr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216403 representing NM\_001013362  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCTGTCTGCAGTAGGCGAGCGGGTCTTCGCGGCCGAATCCATCATTAAACGCCGGATCCGCAAGG  
 GACGCATCGAGTACCTGGTGAAATGAAAAGGGTGGCGATCAAGTACAGCACTTGGGAGCCAGAGGAGAA  
 CATTCTGGATTTCGAGGCTCATCGCAGCCTTCGAGCAGAAGGAAAGGGAACGTGAGCTGTATGGGCCAAAG  
 AAGAGGGGACCTAAACCCAAAATTTCTCCTAAAGGCCCGGCCAGGCGGAGGCCCTCCGCATCAGTG  
 ATGTGCATTTCTGTCAAGCCGAGCGCCAGCCCTCCTCGCCAAAGCTGCACTCCAGCGCTGCGGTGCA  
 CCGGCTCAAGAAAGACATCCGCCGCTGCCACCGTATGTCTCGCCGTCCTGCCACGACCAGACCACAA  
 GGGGGTAGCCCTGGCCTACGCCACCCATCTCGCCCTTTCTGAGACCGTGCATCATCAACCGTAAGG  
 TGAAGCCCGGGAGCCAAAGCGGAACCGCATCATCCTGAACCTGAAGCAGGAGCTCCAGCCCGTGGGAA  
 CATCTCCTCGGCCAGCTCCAGCCATGCCACCGCCCTGCACTCCAAGATGGACGAACTAGAAGGCCAG  
 CTGCTGGCCAAGGTGCTGGCGCTGGAGAAGGAGCGAGCCGCCCTCAGTCACGGGAGCCACCAGCAACGAC  
 AGGAAGTGGAAGAGGAGCTGAATGCCCTGCAGGGTTCGCGTGGCCGAGCTGGAGCACGGGTCTCGGCCA  
 CAGTCCCCCTGATGCCTCAAGGTGAGCATCCCCATCCGCAACAACACTACATGTACGCCCGCTGCGCAAG  
 GCGCTGCCGGAACCTACGCCTTCACTGCCTGCATGTGGCTGCGCTCCAGGTGAGGTGGCTCCGGCCAGG  
 GCACCCCTTCTCCTACTCGGTGCCCGGGCAGGCCAATGAGATCGTGCTTCTGGAGGCCGGCCTTGAGCC  
 AATGGAGCTGTGATCAACGACAAGGTGGCCAGCTGCCCTGAGCCTGAAAGACAGCAACTGGCACCAT  
 ATCTGCATCTCCTGGACTACAAGGGATGGGCTGTGGTCTGCATACCAGGACGGAGAAGTCCGGGGTTCTG  
 GCGAGAACCTAGCAGCTGGCACCCCATCAAGCCACCGGCATCCTTATCCTGGGCCAAGAGCAGGATAC  
 CTTGGGAGGCCGATTGACGCCACACAGGCCTTGGTTGGTGACATTGCACAGTTCAACCTGTGGGACCAC  
 GCTCTGACACCGGCCAGGTGCTGGGCATGGCCAACTGCACCGGCCACTGATGGCAATGTCTCCCT  
 GGGAAAGATAAGCTGGTAGAGCCTTTGGAGGTGCGAAGAAGGCCCTTTGATGTGTGCAAGGGGAGGGC  
 AAAGGCATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001013362

**Insert Size:** 1410 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\\_001013362.2](#), [NP\\_001013380.2](#)

RefSeq Size: 4891 bp

RefSeq ORF: 1410 bp

Locus ID: 504193

Cytogenetics: 15 E1

**Gene Summary:** This gene encodes multiple cytoplasmic proteins composed of a neuronal pentraxin domain linked to a chromo domain. These isoforms are expressed in numerous regions of the central nervous system, where they are present in distinct subcellular arrangements in different brain regions. This gene may play a role in neuronal differentiation. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) represents the longer transcript and encodes the longer isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.