

Product datasheet for **MG215589**

Npcd (NM_001013360) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Npcd
Synonyms:	Cbx6-Nptxr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215589 representing NM_001013360
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGGAGCTGTCTGCAGTAGGCGAGCGGGTCTTCGCGGCCGAATCCATCATTAAACGCCGGATCCGCAAGG
GACGCATCGAGTACCTGGTAAATGGAAAGGGTGGCGGATCAAGTACAGCACTGGGAGCCAGAGGAGAA
CATTCTGGATTCGAGGCTCATCGACGCTTCGAGCAGAAGGAAAGGAACTGAGCTGTATGGGCCCAAG
AAGAGGGGACCTAAACCCAAAATTTCTCTCTAAAGCAGGAGCTCCAGCCCGTGGGAACATCTCTCGG
CGCCAGCTCCAGCCATGCCACCGCCCTGCACTCCAAGATGGAGCAACTAGAAGGCCAGCTGCTGGCCAA
GGTGTGGCGCTGGAGAAGGAGCGAGCCGCTCAGTACGGGAGCCACCAGCAACGACAGGAAGTGGAG
AAGGAGCTGAATGCCCTGCAGGGTGCCTGGCCGAGCTGGAGCACGGGTCTCGGCCTACAGTCCCCCTG
ATGCCTTCAAGGTCAGCATCCCATCCGCAACAACATACATGTACGCCCGCTGCGCAAGGCCGCTGCCGGA
ACTCTACGCCCTTCACTGCCTGCATGTGGCTGCGCTCCAGGTCAGGTGGCTCCGGCCAGGGCACCCCTTC
TCTACTCGGTGCCGGGACGGCAATGAGATCGTGCTTCTGGAGGCCGCTTGGAGCAATGGAGCTGC
TGATCAACGACAAGGTGGCCAGCTGCCCTGAGCCTGAAAGACAGCAACTGGCACCATATCTGCATCTC
CTGGACTACAAGGGATGGGCTGTGGTCTGCATACCAGGACGGAGAAGTGCAGGGTTCCTGGCGAGAACCTA
GCAGCCTGGCAGCCCATCAAGCCACACGGCATCCTTATCCTGGCCAAAGAGCAGGATACCTTGGGAGGCC
GATTTGACGCCACACAGGCCTTCGTTGGTACATTGCACAGTTCAACCTGTGGGACCAGCTCTGACACC
GGCCAGGTGCTGGCATGGCCAACTGCACCGGCCACTGATGGGCAATGCTCTCCCTGGGAAGATAAG
CTGGTAGAGCCCTTGGAGGTGCGAAGAAGGCCCTTTGATGTGTGAAGGGAGGGCAAAGGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG215589 representing NM_001013360
 Red=Cloning site Green=Tags(s)

MELSAVGERVFAAESIIKRRIRKGRIEYLVKWKGWAIKYSTWEPEENILDSRLIAAFEQKERERELYGPK
 KRGPKPKTFLLKQELPARGNISSAPAPAMPTALHSKMDELEGQLLAKVLALEKERAALSHGSHQQRQVE
 KELNALQGRVALEHGSSAYSPPDAFKVSIPIRNNYMYARVRKALPELYAFTACMWLRSRSGSGGQTPF
 SYSVPGQANEIVLLEAGLEPMELLINDKVAQLPLSLKDSNWHHCISWTTRDGLWSAYQDGLRGSGENL
 AAWHPKPHGILILGQEQDTLGGFRDATQAFVGDIAQFNLWDHALTPAQVLGMANCTGPLMGNVLPWEDK
 LVEAFGGAKKAADFVCKGRAKA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001013360

ORF Size: 1116 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001013360.2](#), [NP_001013378.2](#)

RefSeq Size: 4600 bp

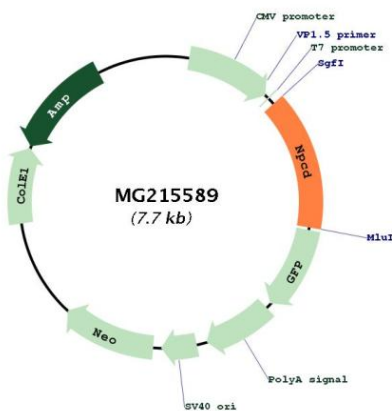
RefSeq ORF: 1119 bp

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]

Product images:



Circular map for MG215589