

Product datasheet for **MR222202**

Nptx1 (NM_008730) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

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>MR222202 representing NM_008730
Red=Cloning site Blue=ORF Green=Tags(s)
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TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGCGCGCGCGCGCCGACGCACTGTGCGCTGCTCGCCCTCTGCCTCTGGGCAAGTGGGGCCCAAG
ATTTGCGGCCGACCCGCTTCATCTGCACTTCGGTGCCGGTGGATGCAGACATGTGTGCCGCGTCCGTGGC
TGCGGGCGCGCGGAGGAGCTTCGAGCAACGTGCTGCAGCTCCGCGAGACCGTGTGCAGCAGAAGGAG
ACCATCTCAGCCAGAAGGAGACCATCAGGGAGCTGACCACCAAGCTTGCCGCTGCGAGAGCCAGAGCA
CCCTGGA CTGCGGTCCCGCGGAGGCCAGGTGGGAGGCGGCCGCAAGCAGCCTGGCTCGGGCAAGAACAC
GATGGGCGACCTGTCCCGGACGCCGGCCGCGGAGACGCTCAGCCAACTCGGGCAAACCTTTGCAATCTCTC
AAAACCCGACTGGAGAACCTCGAGCAGTACAGCCGCCTCAATTCTTCAGCCAAACCAACAGCCTCAAGG
ATCTGCTGCAGAGCAAGATCGATGACCTGGAGCGCAGGTGCTGTCTCGGGTGAACACTCTGGAGGAGGG
GAAAGGGGGCCCAAGAACGACACAGAGGAAAGGGCCAAGATCGAGAGCGCCTTGACCTCCCTACACCAA
CGGATCAGCGAGCTGGAGAAAGGTGAGAAAGACAATCGCCCCGGAGACAAGTTTACGTGACATTTCCAC
TGCGGACCAACTACATGTATGCCAAGGTGAAGAAGAGCCTGCCAGAGATGTATGCCTTCACCGTGTGCAT
GTGGCTCAAGTCCAGTGCGGCGCCTGGAGTGGGCACACCCTTCTCTTATGCTGTGCCTGGGCGAGCCAAC
GAACTGGTCTCATCGAGTGGGGCAACAACCCCATGGAGATACTCATTAAATGACAAGGTGGCCAAGCTGC
CGTTTGTAATCAACGATGGCAAATGGCATCACATCTGTGTACCTGGACCACCCGGGATGGGGTCTGGGA
GGCCTATCAGGATGGCACCAGGGTGGCAATGGAGAGAACTTGGCACCCATACCCCATCAAACACAG
GGCGTGTGGTGTGGTTCAGGAACAGGACACTAGGTGGAGGGTTTGATGCCACCAAGCAATTTGTGG
GTGAGTACGCCATTTCAACATCTGGGACCGCAAGCTGACCCCCGGGAGGTGTACAACCTGGCCACCTGC
CAGCAGCAAGGCTCTCTCTGGCAATGTATCGCCTGGGCTGAGTCCCAGATCGAGATCTTTGGTGGAGCC
ACCAAGTGGACATTCGAGGCTTGTGCGCCAGATCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:

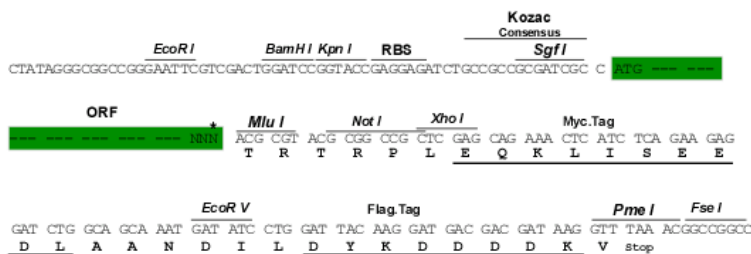
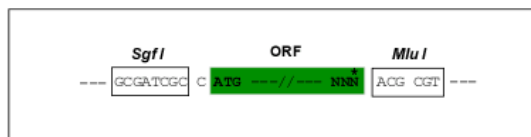
https://cdn.origene.com/chromatograms/ja1715_g06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



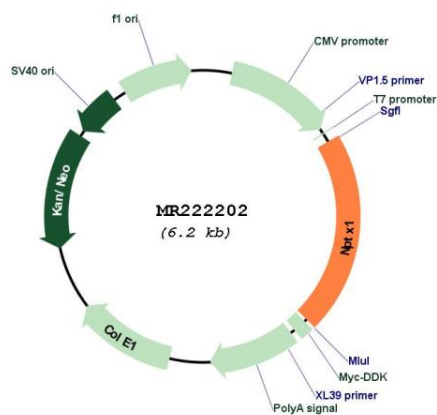
* The last codon before the Stop codon of the ORF

ACCN:

NM 008730

ORF Size:	1296 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_008730.2 , NP_032756.1
RefSeq Size:	5284 bp
RefSeq ORF:	1299 bp
Locus ID:	18164
UniProt ID:	Q62443
Cytogenetics:	11 83.95 cM
MW:	47.6 kDa
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]

Product images:



Circular map for MR222202