

Product datasheet for **RR200576**

Nptx1 (NM_153735) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Nptx1 (NM_153735) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Nptx1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR200576 representing NM_153735
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGGCCGGCCGCGCCGACGCACCTGTGCGCTGCTCGCCCTCTGCCTCTGGGCAGTCGGGCCCAGG
 ATTTGGGGCCGACCCGCTTCATCTGCACTTCGGTGCCGGTGGACGCCGACATGTGTGCCGCTCCGTGGC
 CGCGGGCGGCGCGGAGGAGCTTCGGAGCAATGTGCTGCAGCTCCGGGAGACCGTGTGCAGCAGAAGGAG
 ACCATCCTCAGCCAGAAGGAGACCATCAGGGAGCTGACCACCAAGCTTGGCCGCTGCGAGGCCAGAGCA
 CCCTGGACGCGGGTCCGGGCGAGGCCAGTCCGGCGGCCGCAAGCAGCCTGGCTCGGGCAAGAATAC
 GATGGGGGACCTGTCCCGACTCCGGCCTCGGAGACGCTCAGCCAACTCGGGCAAACCTTTGCAATCCCTC
 AAAACCCGACTGGAGAACCTCGAGCAGTACAGCCGCTCAATTCTTCCAGCCAAACCAACAGCCTCAAGG
 ATCTGCTGCAGAGCAAGATCGATGACCTGGAGCGGCAGGTGCTGTCTCGAGTGAACACTCTGGAGGAGGG
 AAAAGGGGGCCCAAGAACGACACAGAGGAAAGGGCCAAGATCGAGAGCGCCTTGACCTCCCTACACCAG
 CGGATCAGCGAGCTGGAGAAAGGTCAGAAAGACAATCGACCCGGAGACAAGTTTCAGCTGACATCCAC
 TGCGGACCAACTACATGTATGCCAAGGTGAAGAAGAGCCTGCCGGAGATGTACGCCTTCACTGTGTGCAT
 GTGGCTCAAGTCCAGCGCGCACCTGGAGTGGCACGCCCTTCTCCTATGCTGTACCTGGCAGGCCAAC
 GAGCTGGTCTCATCGAGTGGGCAACAACCCATGGAGATACTATTAACGACAAGGTGGCCAAGCTGC
 CCTTTGTAATCAACGACGCAAGTGGCACCACATATGCGTTACCTGGACCACCCGGGACGGGGTCTGGGA
 GGCTATCAGGATGGCACCCAGGAGGCAATGGAGAGAACCTGGCACCTATCACCTATCAAACACAG
 GGTGTGCTGGTGTAGGCCAGGAGCAGGACACTTAGGCGGAGGGTTTGATGCCACCCAAGCGTTTGTGG
 GTGAGTAGCCCATTTCAACATCTGGGACCGCAAGCTGACCCCTGGGGAGGTGTACAACCTGGCCACCTG
 CAGCAGCAAGGCCCTCTTGGAATGTCATCGCCTGGGCTGAGTCCAGATCGAGATCTTTGGAGGAGCC
 ACCAAGTGGACATTCGAGGCTTGCCGCCAGATCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR200576 representing NM_153735
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MLAGRAARTCALLALCLLGSRAQDFGPTRFICTSVPVDADMCAASVAAGGAEELRSNVLQLRETVLQQKE
 TILSQKETIRELTTKLRCEQSSTLDAGPGEARSGGGRKQPGSGKNTMGDL SRTPASETLSQLGQTLQSL
 KTRLENLEQYSRLNSSSQTNLKDLLQSKIDDLERQVLSRVNTLEEGKGGPKNDTEERAKIESALTSLHQ
 RI SELEKGQKDNRPQDKFQLTFPLRNTNYAKVKKSLPEMYAFTVCMWLKSSAAPGVGTPFSYAVPGQAN
 ELVLI EWGNPMEILINDKVAKLPFVINDGKWHHICVTTWTRDGVWEAYQDGTQGGNGENLAPYHP IKPQ
 GVLVLGQEQDTLGGGFDATQAFVGLAHFNIWDRKLTGGEVYNLATCSSKALSGNVIWAESQIEIFGGA
 TKWTFEACRQIN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2147_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153735

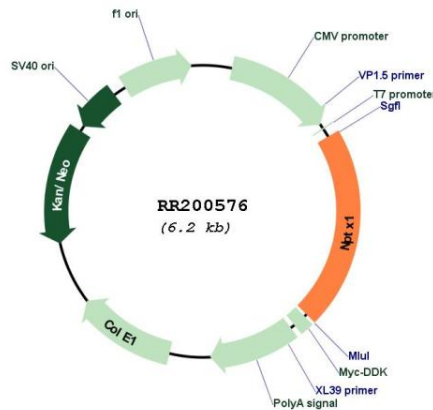
ORF Size: 1296 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none">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_153735.2 , NP_714957.1
RefSeq Size:	4949 bp
RefSeq ORF:	1299 bp
Locus ID:	266777
UniProt ID:	P47971
Cytogenetics:	10q32.3
MW:	47.7 kDa
Gene Summary:	secreted protein; may be involved in uptake of synaptic macromolecules [RGD, Feb 2006]

Product images:



Circular map for RR200576