OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC122629

NPTX2 (NM_002523) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPTX2 (NM_002523) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPTX2
Synonyms:	NARP; NP-II; NP2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_002523 edited
GAGCAGCGCGGTGGGTGCGGCTGTGAGACGGCAGGAGACTTCTGCCCCGCGGTGCACGCG
ACCCTCGAGACGACAGCGCGGCTACTGCCAGCAGCGAAGGCGCCTCCCGCGGAGCGCCCC
GACGGCGCCCGCTCGCCCATGCCGAGCTGAGCGCGGCAGCGGCGGCGGGATGCTGGCGCT
GCTGGCCGCCAGCGTGGCGCTCGCCGTGGCCGCTGGGGCCCAGGACAGCCCGGCGCCCGG
TAGCCGCTTCGTGTGCACGGCACTGCCCCCAGAGGCGGTGCACGCCGGCTGCCCGCTGCC
CGCGATGCCCATGCAGGGCGGCGCGCAGAGTCCCGAGGAGGAGCTGAGGGCCGCGGTGCT
GCAGCTGCGCGAGACCGTCGTGCAGCAGAAGGAGACGCTGGGCGCGCAGCGCGAGGCCAT
CCGCGAGCTCACGGGCAAGCTAGCGCGCTGCGAGGGGCTGGCGGGCGGCAAGGCGCGCGG
CGCGGGGGCCACGGGCAAGGACACTATGGGCGACCTGCCGCGGGACCCCGGCCACGTCGT
GGAGCAGCTCAGCCGCTCGCTGCAGACCCTCAAGGACCGCCTGGAGAGCCTCGAGCACCA
GCTCAGAGCAAACGTGTCCAATGCTGGGCTGCCCGGCGACTTCCGCGAGGTGCTCCAGCA
GCGGCTGGGGGAGCTGGAGAGGCAGCTTCTGCGCAAGGTGGCAGAGCTGGAGGACGAGAA
GTCCCTGCTGCACAATGAGACCTCGGCTCACCGGCAGAAGACCGAGAGCACCCTGAACGC
GCTGCTGCAGAGGGTCACCGAGCTGGAGCGAGGCAATAGCGCCTTTAAGTCACCAGATGC
GTTCAAGGTGTCCCTCCCACTCCGCACAAACTACCTATACGGCAAGATCAAGAAGACGCT
GCCTGAGCTGTACGCCTTCACCATCTGCCTGTGGCTGCGGTCCAGCGCCTCACCAGGCAT
TGGCACCCCCTTCTCCTATGCGGTGCCAGGGCAGGCCAACGAGATCGTGCTGATCGAGTG
GGGCAACAACCCCATCGAGCTGCTCATCAACGACAAGGTTGCGCAGCTGCCCCTGTTTGT
CAGTGACGGCAAGTGGCACCACATCTGTGTCACCTGGACGACACGGGATGGCATGTGGGA
GGCATTCCAGGACGGAGAGAAGCTGGGCACTGGGGAGAACCTGGCCCCCTGGCACCCCAT
CAAGCCCGGGGGCGTGCTGATCCTTGGACAAGAGCAGGACACCGTGGGGGGTAGGTTTGA
TGCCACTCAGGCATTTGTCGGGGAGCTCAGCCAGTTCAACATATGGGACCGCGTCCTTCG
CGCACAAGAAATTGTCAACATCGCCAACTGCTCCACAAACATGCCGGGCAACATCATCCC
GTGGGTGGACAATAACGTCGATGTGTTCGGAGGGGCCTCCAAGTGGCCCGTGGAGACGTG
TGAGGAGCGTCTCCTTGACTTGTAGCCGCCTTCTCCTCTGTCCAGGAGGCCGGGATCAGG
CTGTTGCCATGGAAGTTCAGGGCCATAGACTGCCCCACTTAAACTCTTGTCAGTCTGGGC
TCAGGGTTCCCAGAGCTCATTCCCCAGGAATCTCTAAGACCAGGGCTGGGGCAGTGTCTG
TCACTGGCTTGTTTGTTCCCTACCAATATTCTGTTGCTGTTTGAAGTAGTGCCAGGGTCC
CCTGGGAAGATGCCCCCAAGACACCTGCCCCAAGTGGGTGGATATCTGCCTTCCTGCTGC
AAGTGGAGGCAGGTCCAGCAGCCCCTCTTCAGAGCCCCTGTAAATGCTATCGCAGCCTGA
GTCCTGCCGCCTTCCAGTTCCTTGGTGTCCCGTGCACCCCTTCTGTCTGTCCCCTTTCAT
GGCTGTGCAGCCGTCCCGCTGGAGTGGCCATGTCCCTTGTGCATTGAGTGCATCCCCGCT
GGTGACTAAGCTCGCAGCAAGCGGCTACCCCCCGATCTGCAAAAGGGCCTCTCCCTTTGT
GTTCTATACATTGTGAATCTTCCCGTCTGAAGAACGCCCAGCCTGCCCAGACAAAGCCCC
GCCTTCCCCAAAGCAGAGGGGCTGTCTGTGTCTCCAGAAAGGGGACATCGGGGGGGAGGG
GGGCTCAGAAAGGAGAAGGGCTGTGATCTCCGGTCCCTTCCCCCATCATCCTTCCTTAGA
CTGATGCTTTGACTGAATCATCACTAGCTATGGCATTAAAAGGCCTCTCTTCTCATCTGG
TGCCAAAGGTTCCGTTGCAGCTTTTTACAACCATCCGGTGTGGTTTGGAGGATTTGTTTT
TTTTTTTTCCCAACAGAAAAGAACAGCCATTAGAAGAAGGCTCCCATTTTCTGATGTTCC
GCCCCACTGTGAAGAGTGTGCTCGTTTTAAATTCATGTTGATTCTTGTAAGCACTGGACT
GTCTTCATCAAGTATTTCCCTACAGAACTCCTCAAGAAAACAGAGATCATTTGGCTAGAG
ATTGTCTGAGTGACTCCAAGCTACTCACTGTATTGGACGGGAGTAGTAATTTATTTTAAA
GATAAAGTGACTAAGTGGGGAAATTTATAAAGCTAAATATTATATATTTTATTTTTCATA
CATGTTTGAAGTGCAAATCTGTGGATATTCCATTTGTAGGACCAAGTCGACATGCCCATC
CTGACATTGTATGCTACGAGAACTCTTCTGATGATGGAATTTCGATTAAAGTGCACTGAA
AGATGAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002523 unedited
GAAGCGGTCATTTTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGGAGC
AGCGCGGTGGGTGCGGCTGTGAGACGGCAGGAGACTTCTGCCCCGCGGTGCACGCGACCC
TCGAGACGACAGCGCGGCTACTGCCAGCAGCGAAGGCGCCTCCCGCGGAGCGCCCCGACG
GCGCCCGCTCGCCCATGCCGAGCTGAGCGCGGCAGCGGCGGCGGGATGCTGGCGCTGCTG
GCCGCCAGCGTGGCGCTCGCCGTGGCCGCTGGGGCCCAGGACAGCCCGGCGCCCGGTAGC
CGCTTCGTGTGCACGGCACTGCCCCCAGAGGCGGTGCACGCCGGCTGCCCGCTGCCCGCG
ATGCCCATGCAGGGCGGCGCGCAGAGTCCCGAGGAGGAGCTGAGGGCCGCGGTGCTGCAG
CTGCGCGAGACCGTCGTGCAGCAGAAGGAGACGCTGGGCGCGCAGCGCGAGGCCATCCGC
GAGCTCACGGGCAAGCTAGCGCGCTGCGAGGGGCTGGCGGGCGGCAAGGCGCGCGGCGCG
GGGGCCACGGGCAAGGACACTATGGGCGACCTGCCGCGGGACCCCGGCCACGTCGTGGAG
CAGCTCAGCCGCTCGCTGCAGACCCTCAAGGACCGCCTGGAGAGCCTCGAGCACCAGCTC
AGAGCAAACGTGTCCAATGCTGGGCTGCCCGGCGACTTCCGCGAGGTGCTCCAGCANCGG
CTGGGGGAGCTGGAGAGGCANCTTCTGCGCAGGGTGGCAAAGCTGGAGGACGAGAAGTCC
TGCTGCACAAGAGACCTCGGCTCACGGCAGAAGACCGAGAGCACCTGAACCGCTGCTGCA
GAGGTCACCGAACTGGAACGAGGCAATAGCCCCTTTAATCACCAGAAGCGTTCAAGG

Restriction Sites: Please inquire

ACCN: NM_002523

Insert Size: 2739 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_002523.1, NP_002514.1

RefSeq Size: 2746 bp

RefSeq ORF: 1296 bp

Locus ID: 4885

UniProt ID: P47972

Cytogenetics: 7q22.1

Protein Families: Secreted Protein

Gene Summary: This gene encodes a member of the family of neuronal petraxins, synaptic proteins that are related to C-reactive protein. This protein is involved in excitatory synapse formation. It also plays a role in clustering of alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA)-type glutamate receptors at established synapses, resulting in non-apoptotic cell death of dopaminergic nerve cells. Up-regulation of this gene in Parkinson disease (PD) tissues suggests that the protein may be involved in the pathology of PD. [provided by RefSeq, Feb 2009]