

## Product datasheet for RC206713L3

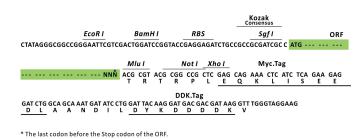
## NPTX2 (NM\_002523) Human Tagged Lenti ORF Clone

## **Product data:**

## OriGene Technologies, Inc.

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Expression Plasmids
NPTX2 (NM_002523) Human Tagged Lenti ORF Clone
Myc-DDK
NPTX2
NARP; NP-II; NP2
Puromycin
pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Chloramphenicol (34 ug/mL)
The ORF insert of this clone is exactly the same as(RC206713).
Sgfl-Mlul
Cloning sites used for ORF Shuttling:
Sgf I         ORF         Mlu I            GCG ATC GC C         ATG // NNN         ACG CGT



ACCN: ORF Size: NM\_002523 1293 bp



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	(NM_002523) Human Tagged Lenti ORF Clone – RC206713L3
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. <u>More info</u>
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> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 002523.1</u>
RefSeq Size:	2746 bp
RefSeq ORF:	1296 bp
Locus ID:	4885
UniProt ID:	<u>P47972</u>
Cytogenetics:	7q22.1
Protein Families:	Secreted Protein
MW:	46.9 kDa
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]

RefSeq, Feb 2009]

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