

Product datasheet for RC222932L1

OriGene Technologies, Inc.

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Neuroligin 4 (NLGN4X) (NM_020742) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Neuroligin 4 (NLGN4X) (NM_020742) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Neuroligin 4

Synonyms: ASPGX2; AUTSX2; HLNX; HNL4X; NLGN4

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC222932).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_020742

ORF Size: 2448 bp



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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.

RefSeq: <u>NM 020742.2</u>

RefSeq Size: 5706 bp
RefSeq ORF: 2451 bp
Locus ID: 57502
UniProt ID: Q8N0W4

Cytogenetics: Xp22.32-p22.31

Domains: COesterase

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

MW: 91.7 kDa

Gene Summary: This gene encodes a member of the type-B carboxylesterase/lipase protein family. The

encoded protein belongs to a family of neuronal cell surface proteins. Members of this family

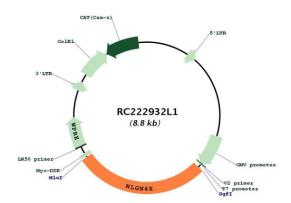
may act as splice site-specific ligands for beta-neurexins and may be involved in the formation and remodeling of central nervous system synapses. The encoded protein

interacts with discs large homolog 4 (DLG4). Mutations in this gene have been associated with autism and Asperger syndrome. Alternative splicing results in multiple transcript variants.

[provided by RefSeq, Aug 2013]



Product images:



Circular map for RC222932L1