

Product datasheet for RC219858L3

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NEU2 (NM_005383) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: NEU2 (NM_005383) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: NEU2

Synonyms: SIAL2

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

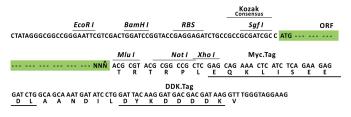
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC219858).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_005383

ORF Size: 1140 bp





NEU2 (NM_005383) Human Tagged Lenti ORF Clone - RC219858L3

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 005383.1</u>, <u>NP 005374.1</u>

RefSeq Size: 1143 bp RefSeq ORF: 1143 bp Locus ID: 4759

UniProt ID: Q9Y3R4

Cytogenetics: 2q37.1

Protein Pathways: Other glycan degradation, Sphingolipid metabolism

MW: 42.1 kDa

Gene Summary: This gene belongs to a family of glycohydrolytic enzymes which remove sialic acid residues

from glycoproteins and glycolipids. Expression studies in COS7 cells confirmed that this gene

encodes a functional sialidase. Its cytosolic localization was demonstrated by cell

fractionation experiments. [provided by RefSeg, Jul 2008]