

Product datasheet for RC228485L3

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KIRREL 3 (KIRREL3) (NM_001161707) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: KIRREL 3 (KIRREL3) (NM 001161707) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: KIRREL 3

Synonyms: KIRRE; MRD4; NEPH2; PRO4502

Mammalian Cell Puromycin

Selection:

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

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

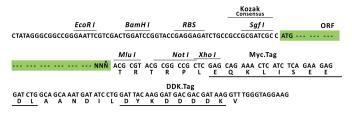
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC228485).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001161707

ORF Size: 1800 bp





KIRREL 3 (KIRREL3) (NM_001161707) Human Tagged Lenti ORF Clone - RC228485L3

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 001161707.1</u>, <u>NP 001155179.1</u>

 RefSeq ORF:
 1803 bp

 Locus ID:
 84623

 UniProt ID:
 Q8IZU9

 Cytogenetics:
 11q24.2

Protein Families: Transmembrane

MW: 65.1 kDa

Gene Summary: The protein encoded by this gene is a member of the nephrin-like protein family. These

proteins are expressed in fetal and adult brain, and also in podocytes of kidney glomeruli. The cytoplasmic domains of these proteins interact with the C-terminus of podocin, also

expressed in the podocytes, cells involved in ensuring size- and charge-selective

ultrafiltration. The protein encoded by this gene is a synaptic cell adhesion molecule with multiple extracellular immunoglobulin-like domains and a cytoplasmic PDZ domain-binding motif. Mutations in this gene are associated with several neurological and cognitive disorders. Alternatively spliced transcript variants encoding different isoforms have been found for this

gene. [provided by RefSeq, Jul 2017]