

Product datasheet for RC225183L3

OriGene Technologies, Inc.

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C9orf95 (NMRK1) (NM_001127603) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: C9orf95 (NMRK1) (NM_001127603) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: C9orf95

Synonyms: bA235O14.2; C9orf95; NRK1

Mammalian Cell Puromycin

Selection:

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

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

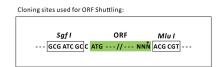
ORF Nucleotide The ORF insert of this clor

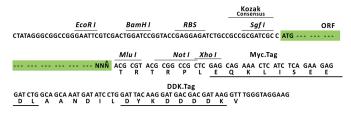
Sequence:

The ORF insert of this clone is exactly the same as(RC225183).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001127603

ORF Size: 525 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 001127603.1</u>

RefSeq ORF: 528 bp
Locus ID: 54981
UniProt ID: Q9NWW6

Cytogenetics: 9q21.13

Protein Pathways: Nicotinate and nicotinamide metabolism

MW: 20 kDa

Gene Summary: Nicotinamide adenine dinucleotide (NAD+) is essential for life in all organisms, both as a

coenzyme for oxidoreductases and as a source of ADP-ribosyl groups used in various reactions. Nicotinic acid and nicotinamide, collectively known as niacin, are the vitamin precursors of NAD+. Nicotinamide riboside kinases, such as NRK1, function to synthesize NAD+ through nicotinamide mononucleotide using nicotinamide riboside as the precursor (Bieganowski and Brenner, 2004 [PubMed 15137942]).[supplied by OMIM, Mar 2008]