

## Product datasheet for RC223742L4

## NET1 (NM\_001047160) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Tag: mGFP

Symbol: NET1

Synonyms: ARHGEF8; NET1A

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

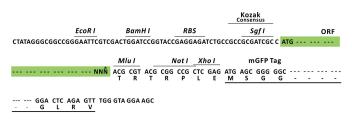
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC223742).

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_001047160

**ORF Size:** 1788 bp



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## NET1 (NM\_001047160) Human Tagged Lenti ORF Clone | RC223742L4

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um

filter is required.

**RefSeq:** <u>NM\_001047160.1</u>, <u>NP\_001040625.1</u>

RefSeq Size: 3414 bp

RefSeq ORF: 1791 bp

**Locus ID:** 10276

UniProt ID: Q7Z628

Cytogenetics: 10p15.1

Protein Families: Druggable Genome

**MW:** 67.6 kDa

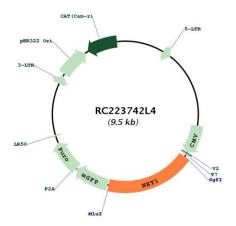
Gene Summary: This gene is part of the family of Rho guanine nucleotide exchange factors. Members of this

family activate Rho proteins by catalyzing the exchange of GDP for GTP. The protein encoded by this gene interacts with RhoA within the cell nucleus and may play a role in repairing DNA damage after ionizing radiation. Pseudogenes of this gene are located on the long arms of chromosomes 1, 7 and 18. Alternative splicing results in multiple transcript variants that encode

different protein isoforms. [provided by RefSeq, Jul 2012]



## **Product images:**



Circular map for RC223742L4