

Product datasheet for RC205535L3

RND1 (NM_014470) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: RND1 (NM_014470) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: RND1

Synonyms: ARHS; RHO6; RHOS

Mammalian Cell Puromycin

Selection:

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

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

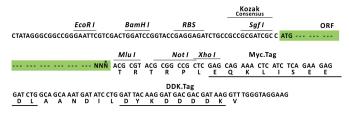
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC205535).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_014470

ORF Size: 696 bp



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RND1 (NM_014470) Human Tagged Lenti ORF Clone - RC205535L3

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 014470.2</u>

 RefSeq Size:
 1665 bp

 RefSeq ORF:
 699 bp

 Locus ID:
 27289

 UniProt ID:
 Q92730

Cytogenetics: 12q13.12

Domains: ras, RAS, RHO, RAB

Protein Families: Stem cell - Pluripotency

Protein Pathways: Axon guidance

MW: 26.1 kDa

Gene Summary: This gene encodes a protein that belongs to the Rho GTPase family. Members of this family

regulate the organization of the actin cytoskeleton in response to extracellular growth factors.

A similar protein in rat interacts with a microtubule regulator to control axon extension.

[provided by RefSeq, Apr 2014]