

Product datasheet for RC207827L4

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OriGene Technologies, Inc.

RNF185 (NM_152267) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: RNF185 (NM_152267) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: RNF185

Mammalian Cell Puromycin

Selection:

Vector:

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

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

ORF Nucleotide The ORF insert of this clo

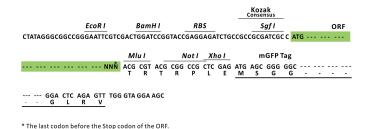
Sequence:

The ORF insert of this clone is exactly the same as(RC207827).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





ACCN: NM_152267

ORF Size: 576 bp



RNF185 (NM_152267) Human Tagged Lenti ORF Clone - RC207827L4

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 152267.2</u>

RefSeq Size: 3218 bp
RefSeq ORF: 579 bp
Locus ID: 91445
UniProt ID: Q96GF1
Cytogenetics: 22q12.2

Protein Families: Druggable Genome, Transmembrane

RING

MW: 20.5 kDa

Domains:

Gene Summary: E3 ubiquitin-protein ligase that regulates selective mitochondrial autophagy by mediating

'Lys-63'-linked polyubiquitination of BNIP1 (PubMed:21931693). Acts in the endoplasmic reticulum (ER)-associated degradation (ERAD) pathway, which targets misfolded proteins that

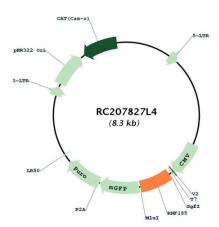
accumulate in the endoplasmic reticulum (ER) for ubiquitination and subsequent proteasome-mediated degradation (PubMed:27485036). Protects cells from ER stress-induced apoptosis (PubMed:27485036). Responsible for the cotranslational ubiquitination and degradation of CFTR in the ERAD pathway (PubMed:24019521). Preferentially associates

with the E2 enzymes UBE2J1 and UBE2J2 (PubMed:24019521).[UniProtKB/Swiss-Prot

Function]



Product images:



Circular map for RC207827L4