

Product datasheet for RC229603L3

OriGene Technologies, Inc.

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RNF166 (NM_001171815) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: RNF166 (NM_001171815) Human Tagged Lenti ORF Clone

Tag:Myc-DDKSymbol:RNF166

Mammalian Cell Puromycin

Selection:

Vector:

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

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

ORF Nucleotide

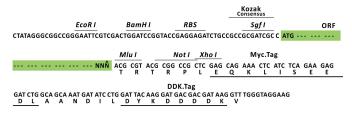
The ORF insert of this clone is exactly the same as(RC229603).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001171815

ORF Size: 468 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 001171815.1</u>

RefSeq ORF: 471 bp Locus ID: 115992 UniProt ID: Q96A37

Cytogenetics: 16q24.2-q24.3

Protein Families: Druggable Genome

MW: 17.6 kDa

Gene Summary: E3 ubiquitin-protein ligase that promotes the ubiquitination of different substrates

(PubMed:27880896). In turn, participates in different biological processes including interferon

production or autophagy (PubMed:26456228, PubMed:27880896). Plays a role in the

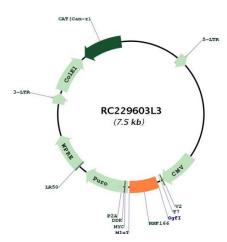
activation of RNA virus-induced interferon-beta production by promoting the ubiquitination of TRAF3 and TRAF6 (PubMed:26456228). Plays also a role in the early recruitment of

autophagy adapters to bacteria (PubMed:27880896). Mediates 'Lys-29' and 'Lys-33'-linked ubiquitination of SQSTM1 leading to xenophagic targeting of bacteria and inhibition of their

replication (PubMed:27880896).[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RC229603L3