

Product datasheet for RC201652L3

OriGene Technologies, Inc.

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RTFDC1 (RTF2) (NM_016407) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: RTFDC1 (RTF2) (NM 016407) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: RTF2

Synonyms: C20orf43; CDAO5; HSPC164; RTFDC1; SHUJUN-3

Mammalian Cell Puromycin

Selection:

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

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

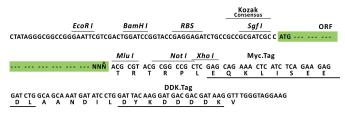
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC201652).

Sgfl-Mlul

Sequence:

Restriction Sites:
Cloning Scheme:





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

ACCN: NM_016407

ORF Size: 918 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.

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

0.22um filter is required.

RefSeq: <u>NM 016407.1</u>

RefSeq Size: 1672 bp

RefSeq ORF: 921 bp

Locus ID: 51507

UniProt ID: Q9BY42

Cytogenetics: 20q13.31

Domains: DUF602

MW: 33.9 kDa

Gene Summary: Replication termination factor which is a component of the elongating replisome (Probable).

Required for ATR pathway signaling upon DNA damage and has a positive activity during DNA replication. Might function to facilitate fork pausing at replication fork barriers like the rDNA. May be globally required to stimulate ATR signaling after the fork stalls or encounters a lesion (Probable). Interacts with nascent DNA (PubMed:29290612).[UniProtKB/Swiss-Prot Function]