

Product datasheet for RC201652

RTF2 (NM_016407) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

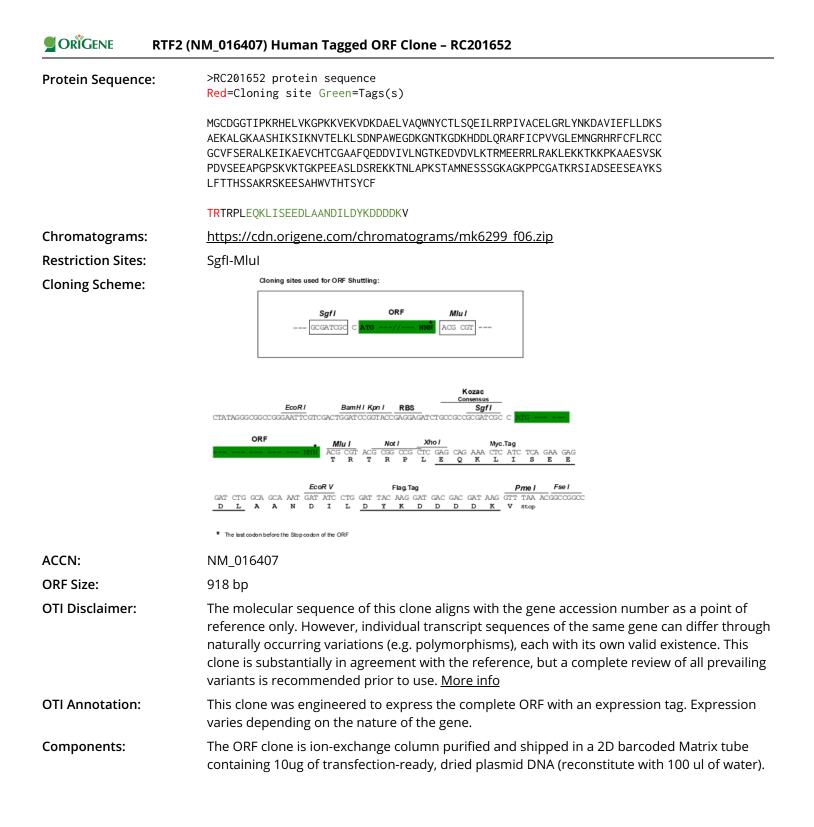
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Product Type:	Expression Plasmids
Product Name:	RTF2 (NM_016407) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RTF2
Synonyms:	C20orf43; CDAO5; HSPC164; RTFDC1; SHUJUN-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC201652 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA**



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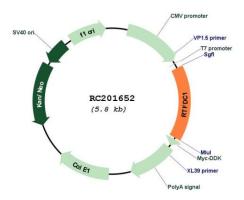


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GENE RTF2 (NM_016407) Human Tagged ORF Clone – RC201652	
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 016407.5</u>
RefSeq Size:	1672 bp
RefSeq ORF:	921 bp
Locus ID:	51507
UniProt ID:	<u>Q9BY42</u>
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

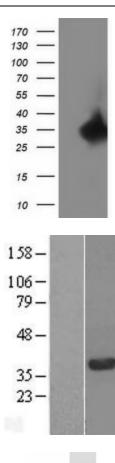
(Probable). Interacts with nascent DNA (PubMed:29290612).[UniProtKB/Swiss-Prot Function]

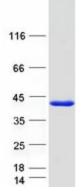
Product images:



Circular map for RC201652

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HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY C20orf43 (Cat# RC201652, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-C20orf43(Cat# [TA502375]). Positive lysates [LY414003] (100ug) and [LC414003] (20ug) can be purchased separately from OriGene.

Western blot validation of overexpression lysate (Cat# [LY414003]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201652 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified RTF2 protein (Cat# [TP301652]). The protein was produced from HEK293T cells transfected with RTF2 cDNA clone (Cat# RC201652) using MegaTran 2.0 (Cat# [TT210002]).

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