

Product datasheet for **RG203905**

RNF10 (NM_014868) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RNF10
Synonyms:	RIE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG203905 representing NM_014868
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGCTGAGCTCCCCAACGCCGCCGCCACCGCCTCCGACATGGACAAGAACAGCGGCTCCAACAGCT
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CGGGGAGAGTGATAATTCAGACCGTGTCTGTGCCAGTTTTCAAATTCCTTCAGCCAAGCTATTGAA
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GAAAAAACAGAAACAGAAGCTCCTGTTACGACCTCAGTCGTCACACCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG203905 representing NM_014868

Red=Cloning site Green=Tags(s)

MPLSSPNAATASDMDKNSGSNSSASSSGSSKGQPPRSASAGPAGESEKPKSDGKNSSGSKRYNRKRELS
YPKNESFNNQRRSSQKSKTFNKMPPQRGGGSSKLFSSSFNGRRDEVAEAQRAEFSPAQFSGPKKINL
NHLLNFTFEPGQTGHFEGSGHSGWGRNKGHPFNKELFLQANCQFVVEDQDYTAHFADPDTLVNWD
FVEQVRICSHVPSCPICLYPPTAAKITRCGHIFCWACILHYLSLSEKTSKCPICYSSVHKKDLKSVVA
TESHQYVVGDTITMQLMKREKGVLVLPKSKWMNVDPHPIHLGDEQHSQYSKLLLASKEQVLHRVLEEKV
ALEQQLAEEKHTPESCFIEAAIQELKTREEALSGLAGSRREVTGVVALEQLVLMAPLAKESVFQPRKGV
LEYLSAFDEETTEVCLSDTPSRPLALPLVEEEEAVSEPEPEGLPEACDDLELADDNLKEGTICTESSQOE
PITKSGFTRLSSSPCYFYQAEDGQHMFLHPVNVRLVREYGLERSPEKISATVVEIAGYSMSDVRQR
HRYLSHLPLTCEFSICELALQPPVVSKEITLMEFSDIEKRKRQRQKKAREERRRRRIEIEENKKQKYP
EVHIPLNLQQFPANFNTSSSDSALGPTSTEGHGALISPLSRSPGSHADFLLTPLSPTASQGSFSCV
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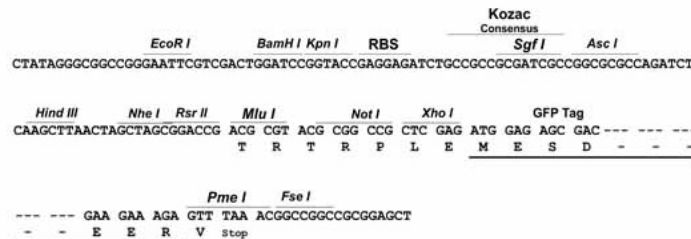
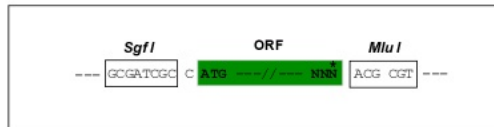
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN:

NM_014868

ORF Size:

2433 bp

OTI Disclaimer:

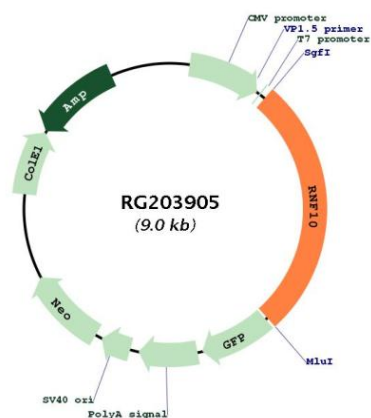
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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_014868.5</u>
RefSeq Size:	3784 bp
RefSeq ORF:	2436 bp
Locus ID:	9921
UniProt ID:	<u>Q8N5U6</u>
Cytogenetics:	12q24.31
Domains:	RING
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene contains a ring finger motif, which is known to be involved in protein-protein interactions. The specific function of this protein has not yet been determined. EST data suggests the existence of multiple alternatively spliced transcript variants, however, their full length nature is not known. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG203905