

Product datasheet for **RG214615**

RNF5 (NM_006913) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RNF5
Synonyms:	RING5; RMA1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG214615 representing NM_006913
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCAGCGGAGGAGGAGGACGGGGGCCCCGAAGGGCCAAATCGCGAGCGGGGCGGGGCGGGCGCGA
CCTTCGAATGTAATATATGTTGGAGACTGCTCGGGAAGCTGTGGTCAGTGTGTGTGGCCACCTGTACTG
TTGGCCATGTCTTCATCAGTGGCTGGAGACACGGCCAGAACGGCAAGAGTGTCCAGTATGTAAGCTGGG
ATCAGCAGAGAGAAGTTGTCCCGCTTTATGGGCGAGGAGCCAGAAGCCCCAGGATCCAGATTAATAA
CTCCACCCCGCCCCAGGGCCAGAGACCAGCTCCGGAGAGCAGAGGGGGATTCCAGCCATTTGGTGATAC
CGGGGGCTTCCACTTCTCATTGGTGTGGTCTTTCCCTTTGGCTTTTACCACCGTCTTCAATGCC
CATGAGCCTTTCCGCCGGGTACAGGTGTGGATCTGGGACAGGGTCACCCAGCCTCCAGCTGGCAGGATT
CCCTCTCTGTTTCTCGCCATCTTCTTTTGGCTGCTCAGTATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214615 representing NM_006913
Red=Cloning site Green=Tags(s)

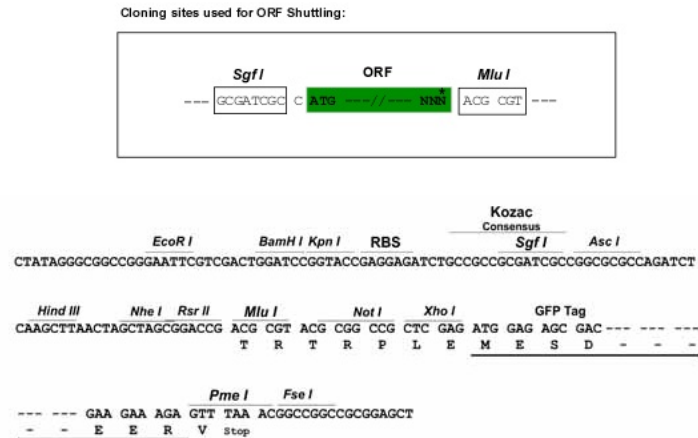
MAAAEEEDGGPEGPNRERGGAGATFECNICLETAREAVVSVCGHLYCWPCLHQWLETRPERQECVPCKAG
ISREKVVPLYGRGSQKQDPRLKTPPRPQQRPAESRGGFPFGDTGGFHFSGVGAFPFGGFTTVFNA
HEPFRRGTGVDLGQHPASSWQDSLFLFLAIFFFWLLSI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_006913

ORF Size: 540 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:

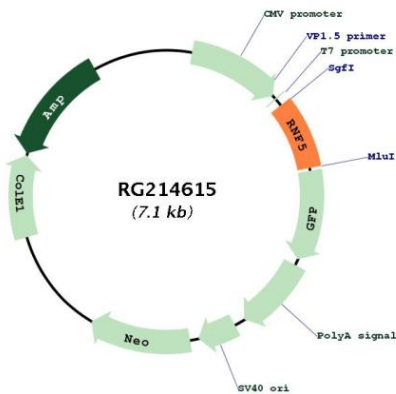
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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: [NM_006913.4](#)

RefSeq Size:	1179 bp
RefSeq ORF:	543 bp
Locus ID:	6048
UniProt ID:	Q99942
Cytogenetics:	6p21.32
Domains:	RING
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene contains a RING finger, which is a motif known to be involved in protein-protein interactions. This protein is a membrane-bound ubiquitin ligase. It can regulate cell motility by targeting paxillin ubiquitination and altering the distribution and localization of paxillin in cytoplasm and cell focal adhesions. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG214615