

## Product datasheet for **RG233742**

### RNF41 (NM\_001242826) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RNF41 (NM\_001242826) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** RNF41  
**Synonyms:** FLRF; NRDP1; SBB103  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG233742 representing NM\_001242826  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGGTATGATGTAACCCGTTTCCAGGGGGATGTTGACGAAGATCTTATCTGCCCTATTTGCAGTGGAG  
 TCTTGGAGGAGCCAGTACAGGCACCTCATTGTGAACATGCTTTCTGCAACGCCTGCATCACCCAGTGTT  
 CTCTCAGCAACAGACATGTCCAGTGGACCGTAGTGTGTGACGGTCGCCCATCTGCGCCAGTACCTCGG  
 ATCATGCGGAACATGTTGTCAAAGCTGCAGATTGCCTGTGACAACGCTGTGTTCCGGCTGTAGTCCGTTG  
 TCCGGCTTGACAACCTCATGTCTCACCTCAGCGACTGTGAGCACAACCCGAAGCGCCTGTGACCTGTGA  
 ACAGGGCTGTGGCCTGGAGATGCCCAAAGATGAGCTGCCAAACATAACTGCATTAAGCACCTGCGCTCA  
 GTGGTACAGCAGCAGACACGCATCGCAGAGCTGGAGAAGACGTCAGCTGAACACAAACACCAGCTGG  
 CGGAGCAGAAGCGAGACATCCAGCTGCTAAAGGCATACATGCGTGCAATCCGCAGTGTCAACCCCAACCT  
 TCAGAACCTGGAGGAGACAATTGAATACAACGAGATCCTAGAGTGGGTGAACTCCCTTACGCCAGCAAGA  
 GTGACCCGCTGGGGAGGGATGATCTCGACTCCTGATGTGTGCTCCAGGCTGTAATCAAGCGCTCCCTGG  
 TGGAGAGTGGCTGTCTGCTTCTATTGTCAACGAGCTGATTGAAAATGCCACGAGCGTAGCTGGCCCCA  
 GGGTCTGGCCACACTAGAGACTAGACAGATGAACCGACGCTACTATGAGAACTACGTGCCAAGCGCATC  
 CCTGGCAAGCAGGCTGTTGTCGTGATGGCCTGTGAGAACCGACACATGGGGGATGACATGGTGAAGAGC  
 CAGGCCTTGTCATGATATTTGCGCATGGCGTGGAAAGAGATA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG233742 representing NM\_001242826  
 Red=Cloning site Green=Tags(s)

MGYDVTRFQGDVDEDLICPICSGVLEEPVQAPHCEHAFNCACITQWFSQQQTCPVDRSVVTV AHLRPVPR  
 IMRNMLSKLQIACDNAVFGCSAVVRLDNLMSHLSDCEHNPKRPVTC EQCGLEMPKDELPHNHCIKHLRS  
 VVQQQTRIAELEKTS AEHKKQLAEQKRDIQLLKAYMRAIRSVNPNLQNL EETIEYNEILEWVNSLQPAR  
 VTRWGGMISTPDAVLQAVIKRSLVESGCPASIVNELIENAHERSWPQGLATLETRQMNRRYYENYVAKRI  
 PGKQAVVVMACENQHMGDDMVQEPGLVMIFAHGVVEEI

TRTRPLE - GFP Tag - V

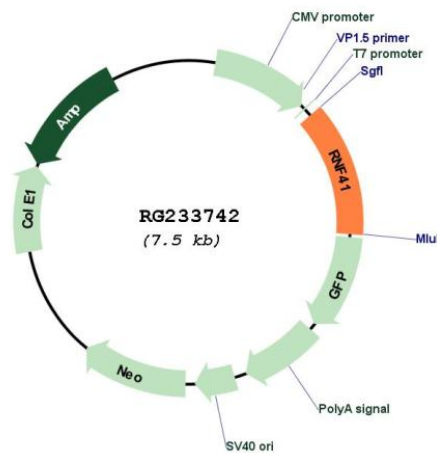
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001242826

**ORF Size:** 951 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001242826.1</a> , <a href="#">NP_001229755.1</a>
<b>RefSeq Size:</b>	5216 bp
<b>RefSeq ORF:</b>	954 bp
<b>Locus ID:</b>	10193
<b>UniProt ID:</b>	<a href="#">Q9H4P4</a>
<b>Cytogenetics:</b>	12q13.3
<b>Protein Pathways:</b>	Endocytosis
<b>Gene Summary:</b>	This gene encodes an E3 ubiquitin ligase. The encoded protein plays a role in type 1 cytokine receptor signaling by controlling the balance between JAK2-associated cytokine receptor degradation and ectodomain shedding. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2011]