

## Product datasheet for **RG225166**

### **RNF24 (NM\_001134338) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RNF24 (NM\_001134338) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** RNF24  
**Synonyms:** G1L  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG225166 representing NM\_001134338  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGTTGAATAAGAGTGGTGAGAGCAGATATCCTGCCTTGTCCCGGTCTTAGGGGGTTCATCCATGAGCT  
CGGATTTCCACATTACAACCTCAGGATGCCTAATATTGGATTCCAGAATCTGCCTCTCAACATATATAT  
TGTGGTTTTGGTACTGCTATATTTGTCTTCATCCTTAGTTTACTCTTCTGTTGCTACTTGATTAGGCTA  
AGACATCAAGCACACAAAGAATTTATGCCTACAACAGGTTATATTTAAAGAGAAAAGTAAAGAATTGA  
ATTTACATGAGCTCTGTGCAGTGTGCCTAGAAGACTTCAAGCCTCGAGATGAGTTGGGGATTGCCCATG  
TAAGCACGCCTTCCACAGAAAGTGCCTTATTAAGTGGCTGGAGGTTCGTAAAGTGTGCCCTGTGCAAC  
ATGCCAGTTCTACAGCTGGCCCGAGTTGCACAGTAAAGCAGGACCGTGGACCCCTCAGGGGCCCTTCTCTG  
GGCAGAGAACATTGTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG225166 representing NM\_001134338  
Red=Cloning site Green=Tags(s)

MLNKSGESRYPALFPVLGGSSMSSDFPHYNFRMPNIGFQNLPLNIYIVVFGTAIFVFILSLLFCCYLIRL  
RHQAHFYAYKQVILKEKVKELNLHELCAVCLEDFKPRDELGICPKKAFHRKCLIKWLEVRKVCPLCN  
MPVLQLAQLHSKQDRGPPQGPLPGAENIV

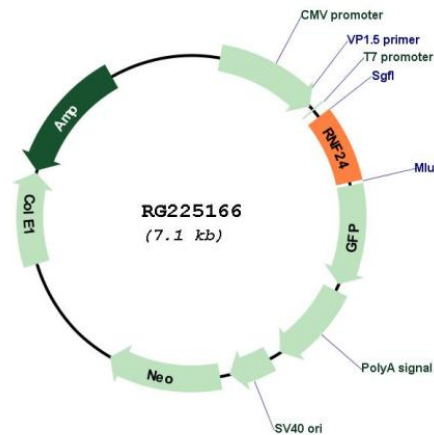
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001134338

**ORF Size:** 507 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.

|                               |   |
|-------------------------------|---|
| <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>                | <u><a href="#">NM_001134338.3</a></u>   |
| <b>RefSeq Size:</b>           | 3313 bp   |
| <b>RefSeq ORF:</b>            | 510 bp  |
| <b>Locus ID:</b>              | 11237   |
| <b>UniProt ID:</b>            | <u><a href="#">Q9Y225</a></u>   |
| <b>Cytogenetics:</b>          | 20p13   |
| <b>Protein Families:</b>      | Druggable Genome, Transmembrane   |
| <b>Gene Summary:</b>          | This gene encodes an integral membrane protein that contains a RING-type zinc finger. The encoded protein may interact with multiple transient receptor potential cation channel subfamily C (TRPC) proteins and regulate the trafficking and insertion of these proteins into the plasma membrane. [provided by RefSeq, Mar 2016]  |