

## Product datasheet for **RG204833**

### RPF1 (NM\_025065) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RPF1 (NM_025065) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RPF1
Synonyms:	BXDC5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204833 representing NM_025065 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGAAAGCCGGGATAAGAGCGGCAGCAGCGGAAGAAAAGTCTAAAACGAAAGCCGCTGCCGAAG  
AACTTCAGGAGGCTGCAGGCGTGGGGATGGGGCGACGGAAAACGGGTCCAACCCCGAAAGCGGCTGC  
CTTCCGCCAGGCTTTAGCATTTCGGAGATTAACAAACAGCGCGCAGACTTAATGTTACGCGGTGG  
AAACAGCAGCAGCGGAAGAAAAGTTGGCAGCTAAGAAAAAATTAAGAAAGAGAGAGGCTCTTGCCG  
ATAAGGCTCCACAAAGCCTGTACCAAGACCATTGACAACAGCGAGTGTATGATGAAACCACAGTAGA  
CCCTAATGATGAAGAGGTCGCTTATGATGAAGCTACAGATGAATTTGCTTCTACTTCAACAAACAGACT  
TCTCCAAGATTCTCATCACAACATCAGATAGACCTCATGGGAGAACAGTACGACTCTGTGAACAGCTCT  
CCACAGTTATACCAAACTCACATGTTTATTACAGAAGAGGACTGGCTCTGAAAAAATTATTCCACAGTG  
CATCGAAGAGATTTACAGACCTGATTGTTAATGAAGATCGTAAACCCCAATGGACTTATTTTG  
AGTCACTTGCCAAATGGCCAACTGTCATTTTAAATGAGCAGTGTTCGTCCTCGTAAAGAAATTAAGA  
GAAGAGCAAGGACCCACAGAACACATACCTGAAATAATTCTGAATAATTTTACAACACGGCTGGGTCA  
TTCAATTGGACGTATGTTTGCATCTCTTTCTCATAATCCTCAATTTATCGGAAGGCAGGTTGCCACA  
TTCCACAATCAACGGGATTACATATTCTCAGATTTTACAGATACATATTCAGGAGTAAAAGAAAGTGG  
GAATTCAGGAACCTGGACCAGTTTTACCTTAAATTAAGGTCTCTTCAGAAAGGAACCTTTGATTCTAA  
ATATGGAGAGTATGAATGGTCCATAAGCCCGGAAATGGATACAAGTAGAAGAAAATTCCATTTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG204833 representing NM\_025065  
 Red=Cloning site Green=Tags(s)

MAKAGDKSGSSGKSLKRKAAAEEQLQEAGAGDGATENGVQPPKAAAFPPGFSISEIKNKQRRHLMFTRW  
 KQQQRKEKLAAKKKLKKEREALGDKAPPKVPVKTIDNQRVYDETTVPNDDEEVAYDEATDEFASYFNKQT  
 SPKILITTSDRPHGRTVRLCEQLSTVIPNSHVYRRGLALKKIIPQCIARDFTDLIVINEDRKTNPGLIL  
 SHLPNGPTAHFKMSSVRLRKEIKRRGKDPTEHIPEIILNNFTTRLGHSIGRMFASLFPHPNQFVIGRQVAT  
 FHNQRDYIFFRFHRYIFRSEKKVGIQELGPRFTLKLRLSLQKGTDFDSKYGEYEWVHKPREMDTSRRKFHL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_025065

**ORF Size:** 1047 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.

**RefSeq:** [NM\\_025065.5](#), [NP\\_079341.1](#)

**RefSeq Size:** 1293 bp

**RefSeq ORF:** 1050 bp

**Locus ID:** 80135

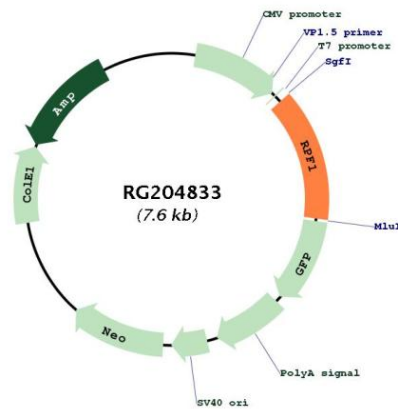
**UniProt ID:** [Q9H9Y2](#)

**Cytogenetics:** 1p22.3

**Domains:** Brix

**Gene Summary:** May be required for ribosome biogenesis.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG204833