

## Product datasheet for **RG227429**

### **RFPL4A (NM\_001145014) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RFPL4A (NM_001145014) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RFPL4A
Synonyms:	RFPL4; RNF210
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227429 representing NM_001145014 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGAGCACTTCAAACAGATCATTAGATGTCCTGTCTGTCTAAAAGATCTTGAAGAAGCCGTGCAAC  
TGAAATGTGGATATGCCTGCTGCCTCCAGTGCCTCAATCACTCCAGAAGGAGCCCGATGGGAAGGTTT  
ACTGTGCCGTTTCTGCTCTGTGGTCTCTCAGAAGGATGACATCAAGCCCAAGTACAAGCTGAGGGCGCTG  
GTTTCCATCATCAAGGAAGTACAGCCCAAGCTGAAATCTGTTCTAACAATGAACCAAGGATGAGGAAGT  
TCAAGTGGATATGACGTTTCGATGTGGACACAGCCAACAATATCTCATATTTCTGAAGACCTGAGGAG  
TTTCCGAAGTGGGGATTTGAGCCAGAATAGGAAGGAGCAAGCTGAGAGGTTTCGACTGCCTGTGCCTC  
CTGGGCACCCCTCGCTTCACTTCCGCGCCGCAATTAAGGGAGGTGGACGTGGGCACCAAGTGTGGG  
ATGTGGGCGTGTGCAAGGAATCTGTGAACCGACAGGGGAAGATTGTGCTTTCTCAGAACACGGCTTCTT  
GACTGTGGGTTGCAGAGAAGGAAGGCTTTGCTGCCAGCACTGTGCCTATGACTCCTCTCTGGGTGAGT  
CCCCAGTTGCACAGAGTGGGGATTTTCTGGATGTAGGTATGAGGTCCATTGCCTTTTACAATGTTAGTG  
ATGGGTGCCATATCTACACATTCATCGAGATTCCTGTTTGGGAGCCCTGGCGTCCATTTTTGCTCATAA  
ACGTGGAAGTCAAGATGATCAGAGCATCCTGAGTATCTGTTCTGTGATCAATCCATCCGCTGCCAGTGCC  
CCAGTTTCTTCTGAGGAAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG227429 representing NM\_001145014  
Red=Cloning site Green=Tags(s)

MAEHFKQIIRCPVCLKDLEEAVQLKCGYACCLQCLNSLQKEPDGEGLLCRFCSVVSQKDDIKPKYKLRAL  
 VSIIKELEPKLKSVLTMNPRMRKFQVDMTFDVTANNYLII SEDLRSFRSGDLSQNRKEQAERFDTALCV  
 LGTRPFTSGRHYWEVDVGT SQVWDVGVCKESVNRQGKIVLSSEHGFLT VGCREGKVFAASTVPMTPLWVS  
 PQLHRVGIFLDVGMRSIAFYNVSDGCHIYTFIEIPVCEPWRPFFAHKRGSQDDQSILSICSVINPSAASA  
 PVSSEGK

TRTRPLE - GFP Tag - V

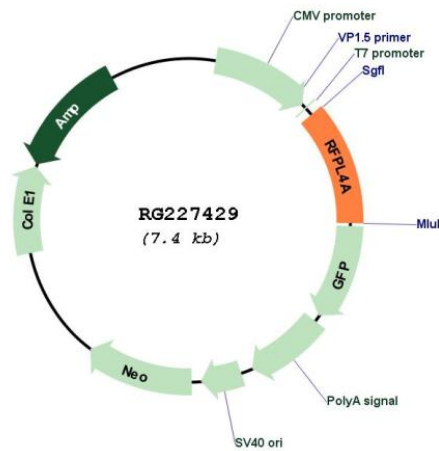
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001145014

**ORF Size:** 861 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_001145014.1</a> , <a href="#">NP_001138486.1</a>
<b>RefSeq Size:</b>	908 bp
<b>RefSeq ORF:</b>	864 bp
<b>Locus ID:</b>	342931
<b>UniProt ID:</b>	<a href="#">A6NLU0</a>
<b>Cytogenetics:</b>	19q13.42
<b>Protein Families:</b>	Druggable Genome