

## Product datasheet for **RG210321**

### OGFRL1 (NM\_024576) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OGFRL1 (NM_024576) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OGFRL1
Synonyms:	dj331H24.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210321 representing NM_024576 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCAACCTGCTCGGCGGGTCAGCTTCCGCGAGCCACCACCGTGGAGGACTGCGACTCCACCTGGC  
AGACCGACTCGGAGCCCGAGCCCAAGAACCAGGGCCGGCGGGCAGCGAGGGCCCGGGCAGGAGCC  
CGAGCAGCCCGCGCAGCCCCGGAGCAAGCCGGCGGGCGGCCCGCCAGCCCCGCGCCGACGAGGAC  
GCCGAGGCGGGCGGCCGAGCAGGGTGGTATTCCACTGAAGCAACTGCCAAACCAAGAGAAGTTTTT  
ATGCTGCCAGGGATTTGTACAAGTACCGACACCAGTACCCAAACTCAAAGATATCCGATATCAAAATGA  
CTTGAGCAATCTTCGTTTTATAAGAATAAAATTCATTCAAGCCAGATGGTGTACATTGAAGAAGTT  
CTAAGTAAATGGAAGGAGATTATGAAAACTGGAGCACAAACCACTTACATTCAATGGCTTTTCCCCC  
TGAGAGAACAAAGGCTTGAACCTCTATGCCAAAGAACTAACTACATATGAAATTGAGGAATCAAAAAAC  
AAAAGAAGCAATTAGAAGATTCTCCTGGCTTATAAAATGATGCTAGAATTTTTTGAATAAAACTGACT  
GATAAACTGGAATGTTGCTCGGGCTGTTAACTGGCAGGAAAGATTTTCAGCACCTGAATGAGTCCCAGC  
ACAACCTATTAAGAATCACTCGTATTCTTAAAAGCCTTGGTGAGCTTGGATATGAAAGTTTTAAATCTCC  
TCTTGAAAAATTTATTCTTCATGAAGCTTTGTGGAGAATACTATTCCCAATATTAAGCAGAGTGCCTA  
GAGTATTTTGTATACAATTAGAGACAGAAGAGAAAGGAGAAAGCTCCTGCGGTTCCGCCAGAAACACT  
ACAGCCTTCAGAGAATTTATCTGGGGACCGCTCGAAAAGAACAGTCGGAGGGGAAGCAAGCCAGAA  
AATGTCTTCCCCTCTCGCTCCAGTCATAACAGTCAACTTCTATGCACAAAAAGCCAAGGACTCCAAAA  
ATTCTCTCAGCTGTTTATT

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG210321 representing NM\_024576  
 Red=Cloning site Green=Tags(s)

MGNLLGGVSFREPTTVEDCDSTWQTDSEPEPEEPGPGGGSEPGQEQEPAQPPEQAGGRPGASPAPDED  
 AEAAGAEQGGDSTEATAKPKRSFYAARDLYKYRHQYPNFKDIRYQNDLSNLRFYKNKIPFKPDGVYIEEV  
 LSKWKGDYEKLEHNHTYIQWLFPLREQGLNFYAKELTTYEIEEFKKTKEAIRRFLLAYKMMLEFFGIKLT  
 DKGTGNVARAVNWQERFQHLNESQHNYLRITRILKSLGELGYEFSKSPLVKFFILHEALVENTIPNIKQSAL  
 EYFVYTIIRD RRERRKLLRFAQKHYPSENF IWGPPRKEQSEGSKAQKMSSPLASSHNSQLLCTKKPRTPK  
 IPPQLFI

TRTRPLE - GFP Tag - V

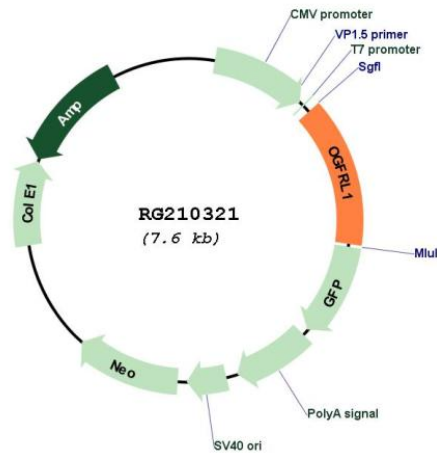
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_024576

<b>ORF Size:</b>	1353 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_024576.3</a> , <a href="#">NP_078852.3</a>
<b>RefSeq Size:</b>	1755 bp
<b>RefSeq ORF:</b>	1356 bp
<b>Locus ID:</b>	79627
<b>UniProt ID:</b>	<a href="#">Q5TC84</a>
<b>Cytogenetics:</b>	6q13
<b>Domains:</b>	OGFr_N
<b>Protein Families:</b>	Druggable Genome