

Product datasheet for **RC210321**

OGFRL1 (NM_024576) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OGFRL1 (NM_024576) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OGFRL1
Synonyms:	dj331H24.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC210321 representing NM_024576
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCAACCTGCTCGGCGGGTCTAGCTTCCGCGAGCCACCACCGTGGAGGACTGCGACTCCACCTGGC
 AGACCGACTCGGAGCCGAGCCGAAGAACCAGGGCCGGGCGGGCAGCGAGGGCCCGGGCAGGAGTC
 CGAGCAGCCCGCGCAGCCCCGGAGCAAGCCGGCGGGCGCCCGCGCCAGCCCCGCGCCGAGGAC
 GCCGAGGCGGGCGCCGAGCAGGGTGGTATTCCACTGAAGCAACTGCCAAACCAAAGAGAAGTTTTT
 ATGCTGCCAGGGATTTGTACAAGTACCGACACCAGTACCCAAACTTCAAAGATATCCGATATCAAAATGA
 CTTGAGCAATCTCGTTTTTATAAGAATAAAATCCATTCAAGCCAGATGGTGTTCACATTGAAGAAGTT
 CTAAGTAAATGAAAAGGAGATTATGAAAACTGGAGCACACCACACTTACATTCAATGGCTTTTCCCCC
 TGAGAGAACAAAGGCTTGAACCTTATGCCAAAAGAACTAACTACATATGAAATTGAGGAATCAAAAAAC
 AAAAGAAGCAATTAGAAGATTCCTCTGGCTTATAAAATGATGCTAGAATTTTTTGAATAAACTGACT
 GATAAACTGGAATGTTGCTCGGGCTGTTAACTGGCAGGAAAGATTTTCAGCATCTGAATGAGTCCGAGC
 ACAACTATTTAAGAATCACTCGTATTCTTAAAAGCCTTGGTGAGCTTGGATATGAAAAGTTTTAAATCTCC
 TCTTGTAATAATTTATTCTTCATGAAGCTCTTGTGGAGAATACTATTCCCAATATTAAGCAGAGTGCCTA
 GAGTATTTTGTATACAATTAGAGACAGAAGAGAAAGGAGAAAGCTCCTGCGGTTCCGCCAGAAACACT
 ACACGCCTTCAGAGAACCTTATCTGGGGACCGCTCGAAAAGAACAGTCGGAGGGAAGCAAAGCCAGAA
 AATGCTTCCCTCTCGCTCCAGTCATAACAGTCAAACCTCTATGCACAAAAAGCCAAGGACTCCAAA
 AATTCCTCCTCAGCTGTTCAATTAATAGCAAAACAGCTGAAGACAAAAAGTGGCACAAAAGAGCCTG
 TGAAGAGACAGACAGGCCAGCCAGCCAGCCAGCAATGAAGCTGCCAAGCCAAGAAATACAGAGAAGGA
 CAGTAATGCTGAGAACATGAATTCACCTGAGAAAACAGTTACTACTCCACAGAAAAAAGGAGAGT
 GTATCTCCTGAGAATAACGAAGAAGGTGGAATGATAACCAAGACAATGAAAATCCTGGAATACAAAT
 GCCATGATGTTGACTAGTACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC210321 representing NM_024576
 Red=Cloning site Green=Tags(s)

MGNLLGGVSFREPPTVEDCDSTWQTDSEPEPEEPGPGGGSEGPQEQPAPPEQAGGRPGASPAPDED
 AEAAGAEQGGDSTEATAKPKRSFYAARDLYKYRHQYPNFKDIRYQNDLSNLRFYKNKIPFKPDGVYIEEV
 LSKWKGDYKLEHNHTYIQWLFPLREQGLNFYAKELTTYEIEEFKKTKEAIRRFLLAYKMMLEFFGIKLT
 DKTGNVARAVNWQERFQHLNESQHNYLRITRILKSLGELGYEFKSPKLVKFIHEALVENTIPNIKQSAL
 EYFVYTIIRDREKLLRFQKHYPSENF IWGPPRKEQSEGSKAQKMSPLASSHNSQTSMHKKAKDSK
 NSSSAVHLNSKTAEDKVKAPKEPVEETDRPSPEPSNEAAKPRNTEKDSNAENMNSQPEKTVTTPTEKKES
 VSPENNEEGNDNQDNENPGNTNCHDVVLVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8114_e01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_024576

ORF Size: 1353 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_024576.5](#)

RefSeq Size: 1755 bp

RefSeq ORF: 1356 bp

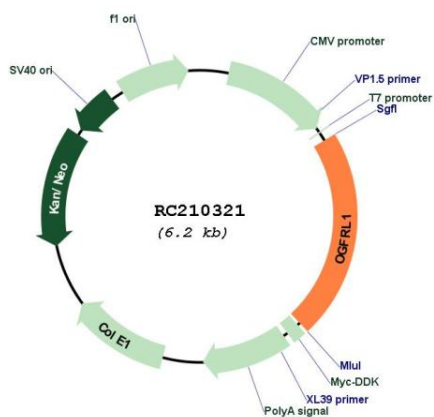
Locus ID: 79627

UniProt ID: [Q5TC84](#)

Cytogenetics: 6q13

Domains: OGF_r_N
 Protein Families: Druggable Genome
 MW: 51.1 kDa

Product images:



Circular map for RC210321