

Product datasheet for **RG220181**

C1orf159 (NM_017891) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf159 (NM_017891) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C1orf159
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220181 representing NM_017891 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGCGGCACCTCGCCCTCCTGGCTGGCCTTCTCGTGGGAGTCGCCAGCAAGTCCATGGAGAACA
CGGCCAGCTGCCGAGTGCTGTGTGGATGTGGTGGGCGTCAACGCCAGCTGCCAGGCGCAAGTCTGTG
TGGTCCAGGCTGTTACAGGCGCTGGAACGCGGACGGGAGCGCCAGCTGCGTCCGCTGTGGAAACGGAACC
CTCCCAGCCTACAACGGCTCCGAGTGTAAGCTTTGCTGGCCCGGGTGCGCCATTCCCATGAACAGAA
GCTCAGGACCCCCGGGCGGCCACATCCTGGGGCTCCGCGCTGGCCGCCTCCCTCTTCTGGGCACGTT
CTTCATTAGCTCCGGCCTCATCCTCTCCGTAGCTGGGTTCTTCTACCTCAAGCGCTCCAGTAAACTCCCC
AGGGCCTGCTACAGAAGAAACAAGCTCCGGCCCTGCAGCCTGGCGAAGCCGCTGCAATGATCCCCCGC
CACAGTCTCAGGTAACAGCAGCTGTCGCATCCCCCTGTGGGTTTCCCATCTCTGGGCCAGTCCCAGGG
TGCTCTGTGGTTTGTCCCAACGGGTTTGCCTGGCTCTGGATCTCGGCCACCCCTGCCGGGTCCCCA
GGAGACCCACCCACAAGGCAGGGCCAGGGCCGATTTGGCTGGTGGCCCTGCTCTGGATCTCAGCTGGA
TTTGGCCGGCGCCCCCTGCCGCCCCCTTAATCCCCGTGACTTCCATGCTCTTCTGTTCCCGAGAC
GTGGGCTCTGCAGAAAGGAGGACCCACCACGACAGGGCAGACCCCAATACCTGCTCCTCTTGAAGTC
CAGCTCCACCCGAGGACAGACGACGCGCCTCCGCCAGGCCCTCCTGAGCAGCCATCGTTCAAGTGGT
CTGGGTACGGCGACCAAGAGTCAGCCGTACGGAAGCCGCGCTACGTACGGCGGAGCGGCCCTGGA
CAGGGCCACGGATCCCGCTGCCTTCCGGGGAGGCCCGTATCAGCAATGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG220181 representing NM_017891
 Red=Cloning site Green=Tags(s)

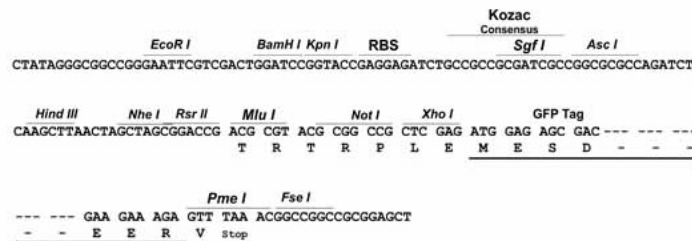
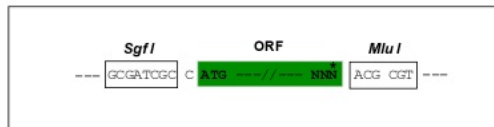
MALRHLALLAGLLVGVASKSMNTAQLPECCVDVVGVNASCPGASLCGPGCYRRWNADGSASCVRGNGT
 LPAYNGSECRSFAGPGAPFPMNRSSGTPGRPHPGAPRVAASLFLGTFFISSGLILSVAGFFYLKRSSKLP
 RACYRRNKAPALQPGEAAMIPPPQSSGNSSCRIPLWGFPSLGQSQGALWVCPQTGLPGSGSRPPLPGSP
 GDPPTRQGGRIWLVPALDLSWIWPAPPARPLIPVTSMLFPVPETWGLQERRTHHADRDPQYLLLELV
 QLHPRTDAAGLRQALLSSHRFSGAGSGGPKSQPVPRKPRYVRRERPLDRATDPAAFPGEARISNV

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_017891

ORF Size: 1032 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_017891.3](#), [NP_060361.3](#)

RefSeq Size: 2446 bp

RefSeq ORF: 597 bp

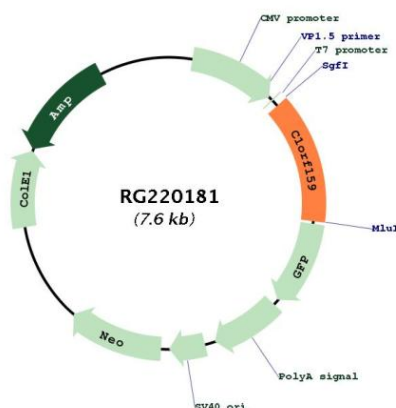
Locus ID: 54991

UniProt ID: [Q96HA4](#)

Cytogenetics: 1p36.33

Protein Families: Transmembrane

Product images:



Circular map for RG220181