

Product datasheet for RC220181

C1orf159 (NM_017891) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf159 (NM_017891) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1orf159
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220181 representing NM_017891 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGCGGCACCTCGCCCTCCTGGCTGGCCTTCTCGTGGGAGTCGCCAGCAAGTCCATGGAGAACA
CGGCCCAGCTGCCGAGTGCTGTGTGGATGTGGTGGGCGTCAACGCCAGCTGCCAGGCGCAAGTCTGTG
TGGTCCAGGCTGTTACAGGCGCTGGAACGCGGACGGGAGCGCCAGCTGCGTCCGCTGTGGAAACGGAACC
CTCCCAGCCTACAACGGCTCCGAGTGTAAGCTTTGCTGGCCCGGGTGCGCCATTCCCATGAACAGAA
GCTCAGGGACCCCGGGCGGCCACATCCTGGGGCTCCGCGCTGGCCGCCTCCCTCTTCTGGGCACGTT
CTTCATTAGCTCCGGCCTCATCCTCTCCGTAGCTGGGTTCTTCTACCTCAAGCGCTCCAGTAAACTCCCC
AGGGCCTGCTACAGAAGAAACAAAGCTCCGGCCCTGCAGCCTGGCGAAGCCGCTGCAATGATCCCCCGC
CACAGTCTCAGGTAACAGCAGCTGTCGCATCCCCCTGTGGGTTTCCCATCTCTGGGCCAGTCCCAGGG
TGCTCTGTGGTTTGTCCCAAACGGGTTTGCCTGGCTCTGGATCTCGGCCACCCCTGCCGGGTCCCCA
GGAGACCCACCCACAAGGCAGGGCCAGGGCCGATTTGGCTGGTGGCCCTGCTCTGGATCTCAGCTGGA
TTTGGCCGGCGCCCCCTGCCGCCCCCTTAATCCCCGTGACTTCCATGCTCTTCTGTTCCCGAGAC
GTGGGGTCTGCAGGAAAGGAGGACCCACCACGACAGGGCAGACCCCAATACCTGCTCCTCTTGAAGTC
CAGCTCCACCCGAGGACAGACGACCGGCCTCCGCCAGGCCCTCCTGAGCAGCCATCGTTCAAGTGGT
CTGGGTACGGCGACCAAGAGTCAGCCGTACGGAAGCCGCGTACGTACGGCGGAGCGGCCCTGGA
CAGGGCCACGGATCCCGCTGCCTTCCCGGGGAGGCCCGTATCAGCAATGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


[View online »](#)

Protein Sequence: >RC220181 representing NM_017891
Red=Cloning site Green=Tags(s)

MALRHLALLAGLLVGVASKSMNTAQLPECCVDVVGVNASCPGASLCPGPCYRRWNADGSASCVRRCNGT
 LPAYNGSECRSFGAGPGAFPMMNRSSGTPGRPHPGAPRVAASLFLGTFFISSGLILSVAGFFYLKRSSKLP
 RACYRRNKAPALQPGEAAAMIPPPQSSGNSSCRPLWGFPSLQSQGALWVCPQTGLPGSGRPPPLPGSP
 GDPPTRQGGRIWLVPALDLSWIWPAPPARPPIPVTSMLFPVETWGLQERRTHHDRADPQYLLLLLEV
 OLHPRTDAAGLROALLSSHRFSGAGSGPKSOPVRYRREPLDRATDPAAFGEARISNV

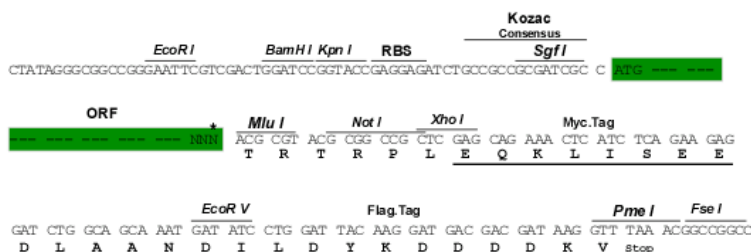
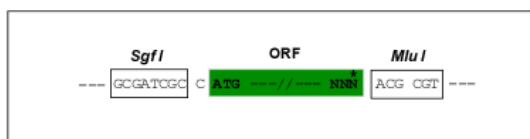
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8009_f10.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017891.3](#), [NP_060361.3](#)

RefSeq Size: 2446 bp

RefSeq ORF: 597 bp

Locus ID: 54991

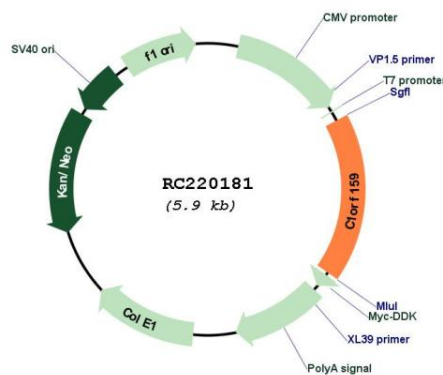
UniProt ID: [Q96HA4](#)

Cytogenetics: 1p36.33

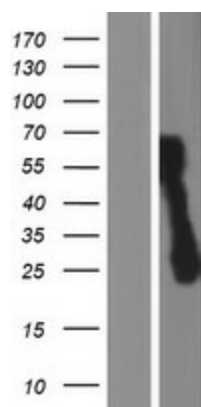
Protein Families: Transmembrane

MW: 36.5 kDa

Product images:



Circular map for RC220181



Western blot validation of overexpression lysate (Cat# [LY413473]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220181 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).