

Product datasheet for **RG215076**

C19orf63 (EMC10) (NM_175063) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C19orf63 (EMC10) (NM_175063) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C19orf63
Synonyms:	C19orf63; HSM1; HSS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215076 representing NM_175063 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCAGCCAGCGCTGGGGCAACCCGGCTGCTCCTGCTCTTGCTGATGGCGGTAGCAGCGCCCAGTC
GAGCCCGGGCAGCGGCTGCCGGCCGGGACTGGTGCAGAGGGGCTGGGGCGGAAGGTCGAGAGGGCGA
GGCCTGTGGCACGGTGGGGCTGCTGCTGGAGCACTCATTGAGATCGATGACAGTGCCAACCTCCGGAAG
CGGGGCTCACTGCTCTGGAACCAGCAGGATGGTACCTTGTCCCTGTACAGCGGCAGCTCAGCGAGGAGG
AGCGGGGCGGACTCCGGGATGTGGCAGCCCTGAATGGCCTGTACCGGGTCCGGATCCAAGCGACCCGG
GGCCTGGATGGCCTGGAAGCTGGTGGCTATGTCTCCTCCTTTGTCCCTGCGTGCCTCCTGGTGGAGTCG
CACCTGTCGGACCACTGACCCTGCACGTGGATGTGGCCGGCAACGTGGTGGGCGTGTGGTGGTACGC
ACCCCGGGGGCTGCCGGGGCCATGAGGTGGAGGACGTGGACCTGGAGCTGTTCAACACCTCGGTGCAGCT
GCAGCCGCCACACAGCCCCAGGCCCTGAGACGGCGGCCTTCATTGAGCGCCTGGAGATGGAACAGGCC
CAGAAGGCCAAGAACCCAGGAGCAGAAGTCCTTCTTCGCCAAATACTGGCACATCATCTGGGGGGG
CCGTGTTGCTCACAGCCCTGCGTCTGCTGCGCCAGGGCCCGCCACCGCCACAGGAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG215076 representing NM_175063
 Red=Cloning site Green=Tags(s)

MAAASAGATRLLLLLLMAVAAPSRARGSGCRAGTGARGAGAEGREGEACGTVGLLLEHSFEIDDSANFRK
 RGSLLWNQQDGLTSLSQRQLSEEERGLRDVAALNGLYRVIPRRPGALDGLEAGGYVSSFVPACSLVES
 HLSDDLTLHVDVAGNVVGVSVVTHPGGCRGHEVEDVDLELFNTSVQLQPPTTAPGPETAFAFIERLEMEQA
 QKAKNPQEQKSFFAKYWHIILGGAVLLTALRPAAPGPAPPPQEA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175063

ORF Size: 762 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_175063.6](#)

RefSeq Size: 2048 bp

RefSeq ORF: 765 bp

Locus ID: 284361

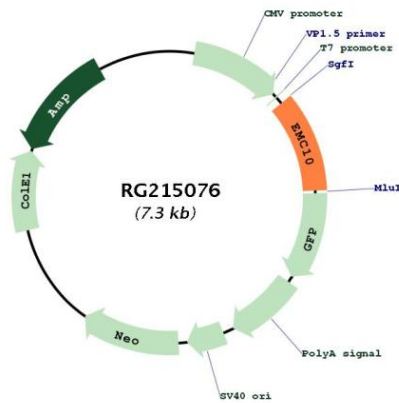
UniProt ID: [Q5UCC4](#)

Cytogenetics: 19q13.33

Protein Families: Transmembrane

Gene Summary: Promotes angiogenesis and tissue repair in the heart after myocardial infarction. Stimulates cardiac endothelial cell migration and outgrowth via the activation of p38 MAPK, PAK and MAPK2 signaling pathways.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215076