

Product datasheet for **RC206083**

C19orf63 (EMC10) (NM_206538) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C19orf63 (EMC10) (NM_206538) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C19orf63
Synonyms:	C19orf63; HSM1; HSS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206083 representing NM_206538 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCAGCCAGCGCTGGGGCAACCCGGCTGCTCCTGCTCTTGCTGATGGCGGTAGCAGCGCCCAGTC
GAGCCCGGGCAGCGGTGCCGGCCGGGACTGGTGCAGAGGGGCTGGGGCGGAAGGTCGAGAGGGCGA
GGCCTGTGGCACGGTGGGGCTGCTGCTGGAGCACTCATTGAGATCGATGACAGTGCCAACCTCCGGAAG
CGGGGCTCACTGCTCTGGAACCAGCAGGATGGTACCTTGTCCCTGTACAGCGGCAGCTCAGCGAGGAGG
AGCGGGGCCGACTCCGGGATGTGGCAGCCCTGAATGGCCTGTACCGGGTCCGGATCCAAGGCGACCCGG
GGCCTGGATGGCCTGGAAGCTGGTGGCTATGTCTCCTCCTTTGTCCCTGCGTGCCTCCTGGTGGAGTCG
CACCTGTCTGGACCACTGACCCTGCACGTGGATGTGGCCGGCAACGTGGTGGGCGTGTGGTGGTACGC
ACCCTGGGGGCTGCCGGGGCCATGAGGTGGAGGACGTGGACCTGGAGCTGTTCAACACCTCGGTGCAGCT
GCAGCCGCCACACAGCCCCAGGCCCTGAGACGGCGGCCTTCATTGAGCGCCTGGAGATGGAACAGGCC
CAGAAGGCCAAGAACCCAGGAGCAGAAGTCTTCTCGCCAAATACTGGATGTACATCATTCCCGTCG
TCCTGTTCTCATGATGTCAGGAGCGCCAGACGCCGGGGCCAGGGTGGGGTGGGGTGGGGTGGTGG
TGGGGTAGTGGCCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC206083 representing NM_206538
Red=Cloning site Green=Tags(s)

MAAASAGATRLLLLLLMAVAAPSRARGSGCRAGTGARGAGAEGREGEACGTVGLLLEHSFEIDDSANFRK
 RGSLLWNQDGTLSLSQRQLSEEERGLRDVAALNGLYRVRIIPRRPGALDGLEAGGYVSSFVPACSLVES
 HLSQDLTLHVDVAGNVVGVSVVTHPGGCRGHEVEDVDLELFNTSVQLQPPTTAPGPETAFAFIERLEMEQA
 QKAKNPQEQKSFFAKYWYIIPVVLFLMMSGAPDAGGQGGGGGGGGGGSSGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_206538

ORF Size: 786 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_206538.4](#)

RefSeq Size: 1961 bp

RefSeq ORF: 789 bp

Locus ID: 284361

UniProt ID: [Q5UCC4](#)

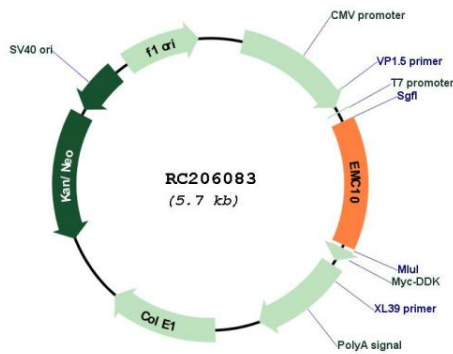
Cytogenetics: 19q13.33

Protein Families: Transmembrane

MW: 27.2 kDa

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 RC206083