

## Product datasheet for **RG206083**

### 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:	TurboGFP
Symbol:	EMC10
Synonyms:	C19orf63; HSM1; HSS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206083 representing NM_206538 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCAGCCAGCGCTGGGGCAACCCGGCTGCTCCTGCTCTTGCTGATGGCGGTAGCAGCGCCCAGTC  
GAGCCCGGGCAGCGGCTGCCGGCCGGGACTGGTGCAGAGGGGCTGGGGCGGAAGTCGAGAGGGCGA  
GGCCTGTGGCACGGTGGGGCTGCTGCTGGAGCACTCATTGAGATCGATGACAGTGCCAACCTCCGGAAG  
CGGGGCTCACTGCTCTGGAACCAGCAGGATGGTACCTTGTCCCTGTACAGCGGCAGCTCAGCGAGGAGG  
AGCGGGGCCGACTCCGGGATGTGGCAGCCCTGAATGGCCTGTACCGGGTCCGGATCCAAGGCGACCCGG  
GGCCTGGATGGCCTGGAAGCTGGTGGCTATGTCTCCTCCTTTGTCCCTGCGTGCCTCCTGGTGGAGTCG  
CACCTGTCGGACCACTGACCCTGCACGTGGATGTGGCCGGCAACGTGGTGGGCGTGTGGTGGTACGC  
ACCCTGGGGGCTGCCGGGGCCATGAGGTGGAGGACGTGGACCTGGAGCTGTTCAACACCTCGGTGCAGCT  
GCAGCCGCCACACAGCCCCAGGCCCTGAGACGGCGGCCTTCATTGAGCGCCTGGAGATGGAACAGGCC  
CAGAAGGCCAAGAACCCAGGAGCAGAAGTCTTCTCGCCAAATACTGGATGTACATCATTCCCGTCG  
TCCTGTTCTCATGATGTCAGGAGCGCCAGACGCCGGGGCCAGGGTGGGGTGGGGTGGGGTGGTGG  
TGGGGTAGTGGCCGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG206083 representing NM\_206538  
 Red=Cloning site Green=Tags(s)

MAAASAGATRLLLLLLMAVAAPSRARGSGCRAGTGARGAGAEGREGEACGTVGLLLEHSFEIDDSANFRK  
 RGSLLWNQDGTLSLSQRQLSEEERGLRDVAALNGLYRVIPRRPGALDGLEAGGYVSSFVPACSLVES  
 HLSLQTLHVDVAGNVVGVSVVTHPGGCRGHEVEDVDLELFNTSVQLQPPTTAPGPETAFAFIERLEMEQA  
 QKAKNPQEQKSFFAKYWMYIIPVVLFLMMSGAPDAGGQGGGGGGGGGGSSGR

TRTRPLE - GFP Tag - V

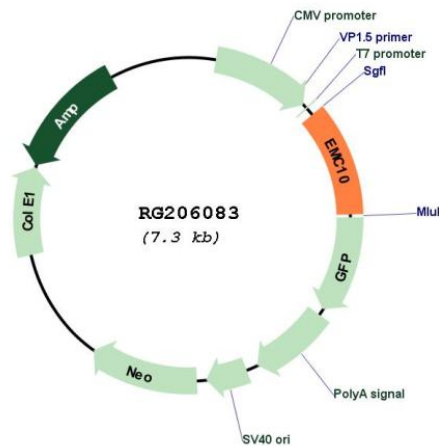
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_206538

**ORF Size:** 786 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_206538.2</a> , <a href="#">NP_996261.1</a>
<b>RefSeq Size:</b>	1961 bp
<b>RefSeq ORF:</b>	789 bp
<b>Locus ID:</b>	284361
<b>UniProt ID:</b>	<a href="#">Q5UCC4</a>
<b>Cytogenetics:</b>	19q13.33
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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]