

Product datasheet for **RG200383**

Chemerin (RARRES2) (NM_002889) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chemerin (RARRES2) (NM_002889) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Chemerin
Synonyms: HP10433; TIG2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200383 representing NM_002889
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGACGGCTGCTGATCCCTCTGGCCCTGTGGCTGGGCGCGGTGGGCGTGGGCGTCGCCGAGCTCACGG
 AAGCCCAGCGCCGGGCTGCAGGTGGCCCTGGAGGAATTTACAAGCACCCGCCGTGCAGTGGGCCTT
 CCAGGAGACCAGTGTGGAGAGCGCCGTGGACACGCCCTCCAGCTGGAATTTGTGAGGCTGGAATTT
 AAGCTGCAGCAGACAAGCTGCCGAAGAGGGACTGGAAGAAACCCGAGTGCAAAGTCAGGCCAATGGGA
 GAAACCGAAATGCCTGGCCTGCATCAAAGTGGGCTCTGAGGACAAAGTCTGGGCGGTTGGTCCACTG
 CCCCATAGAGACCAAGTCTGCGGGAGGCTGAGGAGCACCAGGAGACCCAGTGCCTCAGGGTGCAGCGG
 GCTGGTGAAGACCCACAGTTCTACTTCCCTGGACAGTTCGCCTTCTCCAAGGCCCTGCCCGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200383 representing NM_002889
 Red=Cloning site Green=Tags(s)

MRRLLIPLALWLGAVGVGVAELTEAQRRLQVALEEFHKHPPVQWAFQETSVESAVDTPFPAGIFVRLLEF
 KLQQTSCRKRDKKPECKYRPNRKRKCLACIKLGSSEKVLGRLVHCPIETQVLEAEHQETQCLRVRQR
 AGEDPHSFYFPGQFAFSKALPRS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_002889

ORF Size: 489 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_002889.2](#), [NP_002880.1](#)

RefSeq Size: 734 bp

RefSeq ORF: 492 bp

Locus ID: 5919

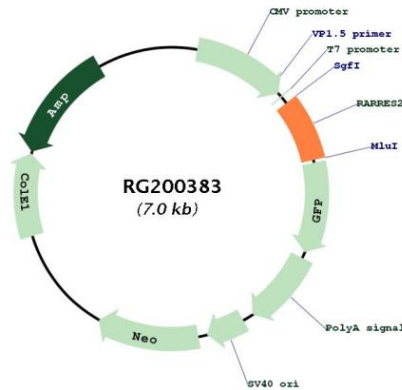
UniProt ID: [Q99969](#)

Cytogenetics: 7q36.1

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Secreted Protein

Gene Summary: This gene encodes a secreted chemotactic protein that initiates chemotaxis via the ChemR23 G protein-coupled seven-transmembrane domain ligand. Expression of this gene is upregulated by the synthetic retinoid tazarotene and occurs in a wide variety of tissues. The active protein has several roles, including that as an adipokine and as an antimicrobial protein with activity against bacteria and fungi. [provided by RefSeq, Nov 2014]

Product images:



Circular map for RG200383