

Product datasheet for **RC200383**

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: Myc-DDK
Symbol: Chemerin
Synonyms: HP10433; TIG2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC200383 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGACGGCTGCTGATCCCTCTGGCCCTGTGGCTGGGCGCGGTGGGCGTGGGCGTCGCCGAGCTCACGG
AAGCCCAGCGCCGGGCTGCAGGTGGCCCTGGAGGAATTCACAAGCACCCGCCGTGCAGTGGCCCTT
CCAGGAGACCAGTGTGGAGAGCGCCGTGGACACGCCCTCCAGCTGGAATTTGTGAGGCTGGAATTT
AAGCTGCAGCAGACAAGCTGCCGAAGAGGGACTGGAAGAAACCCGAGTGCAAAGTCAGGCCAATGGGA
GAAACCGAAATGCCTGGCCTGCATCAAAGTGGCTCTGAGGACAAAGTCTGGGCGGTTGGTCCACTG
CCCCATAGAGACCCAAGTTCTGCGGGAGGCTGAGGAGCACCAGGAGACCCAGTGCCTCAGGTTGCAGCGG
GCTGGTGAAGACCCACAGTTCTACTCCCTGGACAGTTCGCCTTCTCCAAGGCCCTGCCCGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200383 protein sequence
Red=Cloning site Green=Tags(s)

MRRLIPLALWLGAVGVVAELTEAQRRLQVALEEFHKHPPVQWAFQETSVESAVDTPFPAGIFVRLEF
KLQQTSCRKRDKKPECKVRPNGRKRKCLACIKLGSSEDKVLGRLVHCPIETQVLEAAEHQETQCLRVRQ
AGEDPHSFYFPGQFAFSKALPRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

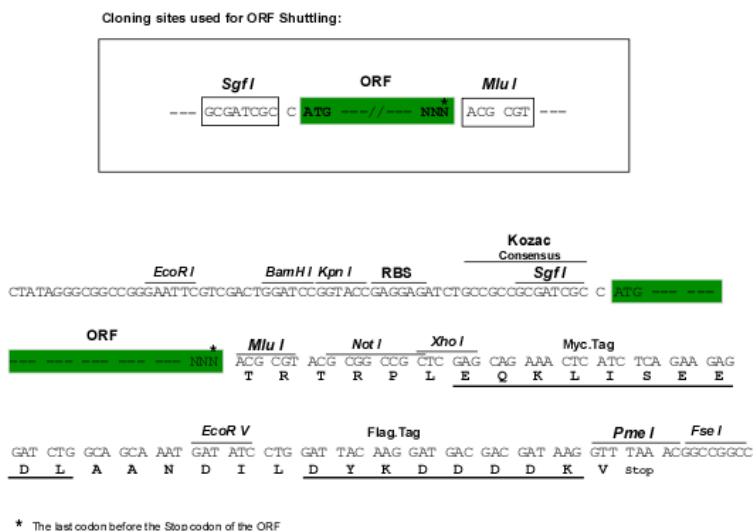
Chromatograms: https://cdn.origene.com/chromatograms/mk6081_c03.zip



[View online >](#)

Restriction Sites: SgfI-MluI

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.

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

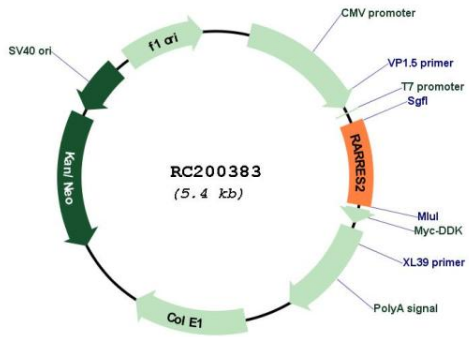
RefSeq: [NM_002889.4](#)

RefSeq Size: 767 bp

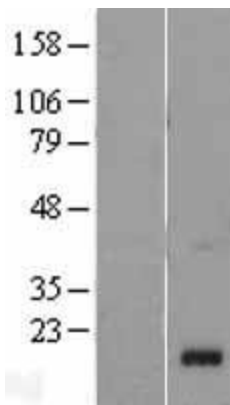
RefSeq ORF: 492 bp

Locus ID: 5919
UniProt ID: [Q99969](https://www.uniprot.org/uniprot/Q99969)
Cytogenetics: 7q36.1
Protein Families: Druggable Genome, Nuclear Hormone Receptor, Secreted Protein
MW: 18.6 kDa
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]

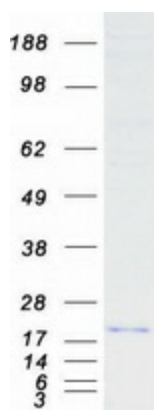
Product images:



Circular map for RC200383



Western blot validation of overexpression lysate (Cat# [LY401013]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200383 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RARRES2 protein (Cat# [TP300383]). The protein was produced from HEK293T cells transfected with RARRES2 cDNA clone (Cat# RC200383) using MegaTran 2.0 (Cat# [TT210002]).