

Product datasheet for **SC118329**

Chemerin (RARRES2) (NM_002889) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chemerin (RARRES2) (NM_002889) Human Untagged Clone
Tag:	Tag Free
Symbol:	Chemerin
Synonyms:	HP10433; TIG2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118329 sequence for NM_002889 edited (data generated by NextGen Sequencing)

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ATGCGACGGCTGCTGATCCCTCTGGCCCTGTGGCTGGGTGCGGTGGGCGTGGCGTCGCC  
GAGCTCACGGAAGCCCAGCGCCGGGCCTGCAGGTGGCCCTGGAGGAATTCACAAGCAC  
CCGCCCGTGCA GTGGCCCTCCAGGAGACCAGTGTGGAGAGCGCCGTGGACACGCCCTTC  
CCAGCTGGAATATTTGTGAGGCTGGAATTTAAGCTGCAGCAGACAAGCTGCCGGAAGAGG  
GACTGGAAGAAACCCGAGTGCAAAGTCAGGCCCAATGGGAGGAAACGAAATGCCTGGCC  
TGCATCAAACCTGGGCTCTGAGGACAAAGTTCTGGGCCGTTGGTCCACTGCCCCATAGAG  
ACCCAAGTTCTGCGGGAGGCTGAGGAGCACCAGGAGACCCAGTGCCTCAGGGTGCAGCGG  
GCTGGTGAGGACCCACAGCTTCTACTCCCTGGACAGTTCGCCTTCTCCAAGGCCCTG  
CCCCGCAGCTAA
```

Clone variation with respect to NM_002889.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002889 unedited
 GCGGTTCAAAATTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGCAGCGAG
 GCCAAGATTTTCAGCTGCGGGACGGTCAGGGGAGACCTCCAGGCGCAGGGAAGGACGGCCA
 GGGTGACACGGAAGCATGCGACGGCTGCTGATCCCTCTGGCCCTGTGGCTGGGTGCGGTG
 GGGTGGGCGTCGCCGAGCTCACGGAAGCCAGCGCCGGGGCCTGCAGGTGGCCCTGGAG
 GAATTTACAAGCACCCGCCCGTGCAGTGGGCCTTCCAGGAGACCAGTGTGGAGAGCGCC
 GTGGACAGCCCTTCCCAGCTGGAATATTTGTGAGGCTGGAATTTAAGCTGCAGCAGACA
 AGCTGCCGGAAGAGGGACTGGAAGAAACCCGAGTGCAAAGTCAGGCCAATGGGAGGAAA
 CGGAAATGCCTGGCCTGCATCAAACCTGGGCTCTGAGGACAAAGTTCTGGGCCGGTTGGTC
 CACTGCCCCATAGAGACCCAAGTTCTGCGGGAGGCTGAGGAGCACCAGGAGACCCAGTGC
 CTCAGGGTGCAGCGGGCTGGTGAGGACCCACAGCTTCTACTTCCCTGGACAGTTTCGCC
 TTCTCAAAGGCCCTGCCCGCAGCTAAGCCAGCACTGAGATGCGTGGTGCCTNCAGGACC
 GCTGCGGGTGGTAACAGTGAAGACCCAGCCCCAGGGAGAGGAACCCGTTCTATCCC
 CACCATGATAATAAAGCTGCTCTCCCAANAAAANANNNNACAAAAANNNNNNNNNNN
 NAAAAAAAAANNNNAAAAAAAAAAAAAAAAANNNNNNCAANAAAAANNAANAAAAAA
 ACNAAAAANNNCCCTCCCTTTAATGGGCGCGGGCTTTTTTGTCTAAAAAACCCG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002889 unedited
 NCGTAGCGCTTTTTACCTGGCTGGGGCAANACGGGTTCTCTCCCTGGGGCTGGGGTCT
 TCCACTGGTTACCACCCGACGGTCTGNGAGCACCACGCATCTCAGTGTGGCTTAGC
 TGCGGGGACAGGCCTTGGAGAAGCGAACTGTCCAGGGAAGTAGAAGCTGTGGGGTCTCT
 CACCAGCCGCTGCACCCTGAGGCACTGGGTCTCCTGGTGTCTCAGCCTCCCGCAGAA
 CTTGGGTCTCTATGGGGCAGTGGACCAACCGGCCAGAACTTTGTCTCAGAGCCAGTT
 TGATGCAGGCCAGGCATTTCCGTTTCTCCATTGGGCCTGACTTGCAGTTCGGGTTTCT
 TCCAGTCCCTTCCGGCAGCTTGTCTGCTGCAGCTTAAATTCCAGCCTCACAAATATTC
 CAGCTGGGAAGGGCGTGTCCACGGCGCTCTCCACTGGTCTCCTGGAAGGCCACTGCA
 CGGGCGGGTGCTTGTGAAATTCCTCCAGGGCCACTGCAGGCCCGGGCGCTGGGTTCCG
 TGAGCTCGGCGACGCCACGCCACCCAGCCACAGGGCCAGAGGGATCAGCAGCC
 GTCGCATGCTTCCGTGTACCCTGGCCGTCCTTCCCTGCGCTGGAGTCTCCCTGACC
 GTCCCAGCTGAAATCTTGGCTCGCTGCCTCGTGCCGAATTCGCGGCCGCCCTATAGT
 GAGTCGTATTACAAAATCTGACCGGTCACTAACGAGCTCTGCGTATATAGACNTCCA
 CCGTACACGCCTACCGNCCATTTGCGTCAACGGGGCCGGTTATTACGACATTTTGAAAG
 TCCCGTTGGTTTTGGTGCCAAACAACNCCATGACGTCAATGGGTGGAGACTTGAATT
 CCCGGGAGTCAACCGTTATCACGCCAT

Restriction Sites:

NotI-NotI

ACCN:

NM_002889

Insert Size:

800 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<ol style="list-style-type: none">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]