

Product datasheet for **RC235449**

Macrophage Inflammatory Protein 1 beta (CCL4L2) (NM_001291474) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Macrophage Inflammatory Protein 1 beta (CCL4L2) (NM_001291474) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CCL4L2
Synonyms: AT744.2; CCL4L; SCYA4L; SCYQ4L2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235449 representing NM_001291474
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTCTGCGTGACTGTCCTGTCTCTCCTCGTCTAGTAGCTGCCTTCTGCTCTCTAGCACTCTCAG
CACCAACTAAATCCAGTGAGTGAAGTTACAGGGAGTCTGCTTCCAGTGCTGCTCCGGGAAGGATCCCAT
CCACCAGAGCTGCCCCACATGGACCATGGTCAGGCAGAGGAAGATGCCTACCACAGGCAAGGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC235449 representing NM_001291474
Red=Cloning site **Green**=Tags(s)

MKLCVTVLSLLVLVAAFCSLALSAPTKSSEWKLQGVCFQCCSGKDPHQSCPTWTMVRQRKMPPTGKG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

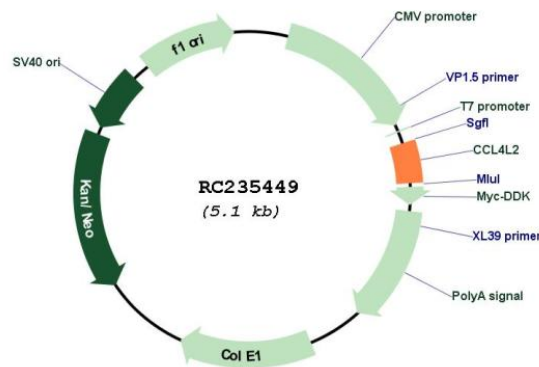


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Cloning Scheme:



Plasmid Map:



ACCN:

NM_001291474

ORF Size:

204 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: | <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: | <u>NM_001291474.2</u> |
| RefSeq Size: | 741 bp |
| RefSeq ORF: | 207 bp |
| Locus ID: | 9560 |
| UniProt ID: | <u>Q8NHW4</u> |
| Cytogenetics: | 17q12 |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway |
| MW: | 7.9 kDa |
| Gene Summary: | <p>This gene is one of several cytokine genes that are clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins that function in inflammatory and immunoregulatory processes. The protein encoded by this family member is similar to the chemokine (C-C motif) ligand 4 product, which inhibits HIV entry by binding to the cellular receptor CCR5. The copy number of this gene varies among individuals, where most individuals have one to five copies. This gene copy contains a non-consensus splice acceptor site at the 3' terminal exon found in other highly similar gene copies, and it thus uses other alternative splice sites for the 3' terminal exon, resulting in multiple transcript variants. [provided by RefSeq, Apr 2014]</p> |