

## Product datasheet for **SC333468**

### Macrophage Inflammatory Protein 1 beta (CCL4L2) (NM\_001291472) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Macrophage Inflammatory Protein 1 beta (CCL4L2) (NM_001291472) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCL4L2
Synonyms:	AT744.2; CCL4L; SCYA4L; SCYQ4L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333468 representing NM_001291472. Blue=Insert sequence Red=Cloning site Green=Tag(s)

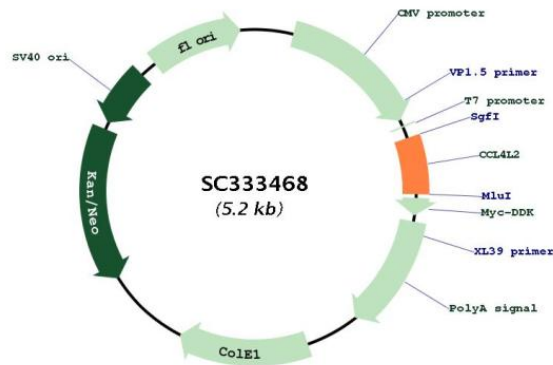
```
GTCGTTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGCTCTGCGTGACTGTCTGTCTCTCCTCGTGTAGTAGCTGCCTTCTGCTCTCTAGCACTCTCA
GCACCAATGGGCTCAGACCCTCCACCGCCTGCTGCTTTTCTTACACCGGAGGAAGCTTCTCGCAAC
TTTGTGGTAGATTACTATGAGACCAGCAGCCTCTGCTCCAGCCAGCTGTGGTTGCTGCTCCGGGAAG
ATCCCATCCACCAGAGCTGCCCCACATGGACCATGGTCAGGCAGAGGAAGATGCCTACCACAGGCAAG
GATAAAGCCAGATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**



**ACCN:** NM\_001291472

**Insert Size:** 291 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:**

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:	<a href="#">NM_001291472.1</a>
RefSeq Size:	815 bp
RefSeq ORF:	291 bp
Locus ID:	9560
UniProt ID:	<a href="#">Q8NHW4</a>
Cytogenetics:	17q12
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway
MW:	10.2 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> <p>Transcript Variant: This variant (CCL4L2d) uses an alternate splice site in the 3' terminal exon, and it thus differs in the 3' coding region and 3' UTR, compared to variant CCL4L2. The encoded isoform (4) has a distinct C-terminus and is longer than isoform 1.</p>