

## Product datasheet for **RG211254**

### I 309 (CCL1) (NM\_002981) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** I 309 (CCL1) (NM\_002981) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** I 309  
**Synonyms:** I-309; P500; SCYA1; SISE; TCA3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG211254 representing NM\_002981  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGATCATCACCACAGCCCTGGTGTGCTTGCTGCTAGCTGGGATGTGGCCGGAAGATGTGGACAGCA  
AGAGCATGCAGGTACCCTTCTCCAGATGTTGCTTCTCATTGCGGAGCAAGAGATCCCTGAGGGCAAT  
CCTGTGTACAGAAATACCAGCTCCATCTGCTCCAATGAGGGCTTAATATCAAGCTGAAGAGAGGCAAA  
GAGGCTGCGCCTTGACACAGTTGGATGGTTTCAGAGGCACAGAAAAATGCTGAGGCACTGCCCGTCAA  
AAAGAAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG211254 representing NM\_002981  
Red=Cloning site Green=Tags(s)  
MQIITLALVCLLLAGMWPEDVDSKSMQVPPFSRCCFSFAEQEIPLRAILCYRNTSSICSNEGLIFKLKRGK  
EACALDTVGWVQRHRKMLRHCPKSRK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_002981

**ORF Size:** 288 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.

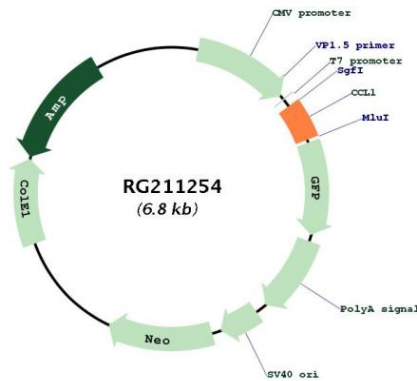
**RefSeq:** [NM\\_002981.2](#)

**RefSeq Size:** 542 bp

**RefSeq ORF:** 291 bp

**Locus ID:** 6346  
**UniProt ID:** [P22362](#)  
**Cytogenetics:** 17q12  
**Protein Families:** Druggable Genome, Secreted Protein  
**Protein Pathways:** Chemokine signaling pathway, Cytokine-cytokine receptor interaction  
**Gene Summary:** This antimicrobial gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, is secreted by activated T cells and displays chemotactic activity for monocytes but not for neutrophils. It binds to the chemokine (C-C motif) receptor 8. [provided by RefSeq, Sep 2014]

**Product images:**



Circular map for RG211254