

Product datasheet for **RG210026**

CCL3 (NM_002983) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CCL3 (NM_002983) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CCL3
Synonyms: G0S19-1; LD78ALPHA; MIP-1-alpha; MIP1A; SCYA3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210026 representing NM_002983
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAAGTCTCCACTGCTGCCCTTGCTGTCTCTCTGCACCATGGCTCTCTGCAACCAGTTCTCTGCAT
 CACTTGTCTGTGACACGCCGACCGCCTGCTGCTTCAGCTACACCTCCCGGAGATTCCACAGAATTCAT
 AGCTGACTACTTTGAGACGAGCAGCCAGTGCTCCAAGCCTGGTGTATCTTCTAACCAAGCGAAGCCGG
 CAGGTCTGTGCTGACCCAGTGAGGAGTGGTCCAGAAATATGTCAGCGACCTGGAGCTGAGTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210026 representing NM_002983
 Red=Cloning site Green=Tags(s)
 MQVSTAALAVLLCTMALCNQFSASLAADTPTACCFSYTSRQIPQNFIADYFETSSQCSKPGVIFLTKRSR
 QVCADPSEEWVQKYVSDLELSA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_002983

ORF Size: 276 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_002983.1](#), [NP_002974.1](#)

RefSeq Size: 776 bp

RefSeq ORF: 279 bp

Locus ID: 6348

UniProt ID: [P10147](#)

Cytogenetics: 17q12

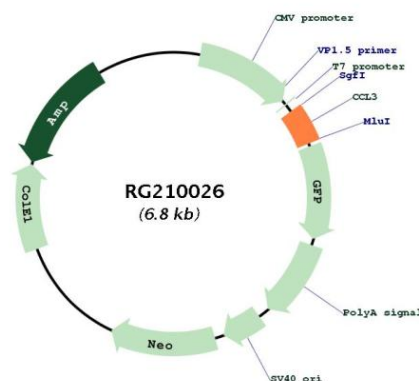
Domains: IL8

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Toll-like receptor signaling pathway

Gene Summary: This locus represents a small inducible cytokine. The encoded protein, also known as macrophage inflammatory protein 1 alpha, plays a role in inflammatory responses through binding to the receptors CCR1, CCR4 and CCR5. Polymorphisms at this locus may be associated with both resistance and susceptibility to infection by human immunodeficiency virus type 1.[provided by RefSeq, Sep 2010]

Product images:



Circular map for RG210026