

## Product datasheet for **MG226804**

### Ccl2 (NM\_011333) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ccl2 (NM_011333) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccl2
Synonyms:	AI323594; HC11; JE; MCA; MCAF; MCP; MCP-; MCP-1; MCP1; Scy; Scya2; Sig; Sigje; SMC-C; SMC-CF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226804 representing NM_011333 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCAGGTCCTGTCATGCTTCTGGCCTGCTGTTACAGTTGCCGGCTGGAGCATCCACGTGTTGGCTC  
AGCCAGATGCAGTTAACGCCCACTCACCTGCTGCTACTCATTACCAGCAAGATGATCCCAATGAGTAG  
GCTGGAGAGCTACAAGAGGATCACCAGCAGCAGGTGTCCCAAAGAAGCTGTAGTTTTTGTACCAAGCTC  
AAGAGAGAGGTCTGTGCTGACCCCAAGAAGGAATGGGTCCAGACATACATTAACCTGGATCGGAACC  
AAATGAGATCAGAACCTACAACCTTTATTTAAACTGCATCTGCCCTAAGGTCTTCAGCACCTTTGAATGT  
GAAGTTGACCCGTAATCTGAAGCTAATGCATCCACTACCTTTCCACAACCACCTCAAGCACTTCTGTA  
GGAGTGACCAGTGTGACAGTGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>MG226804 representing NM_011333 Red=Cloning site Green=Tags(s)
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MQVPVMLLGLLFTVAGWSIHVLAQPDAVNAPLTCYSFTSKMIPMSRLESYKRITSSRCPKEAVVFVTKL  
KREVCADPKKEWQTYIKNLDRNQMRSEPTTLFKTASALRSSAPLNVKLTRKSEANASTTFSTTTSVSV  
GVTSVTYN

TRTRPLE - GFP Tag - V

Restriction Sites:	Sgfl-MluI
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**Cloning Scheme:**


**ACCN:** NM\_011333

**ORF Size:** 444 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\\_011333.3](#), [NP\\_035463.1](#)

**RefSeq Size:** 806 bp

**RefSeq ORF:** 447 bp

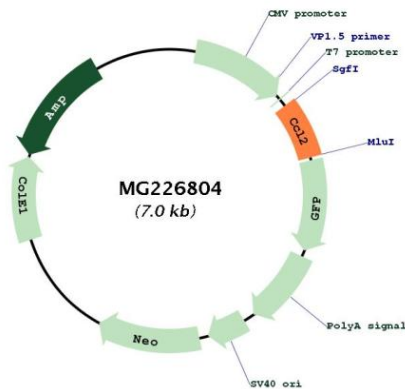
**Locus ID:** 20296

**UniProt ID:** [P10148](#)

**Cytogenetics:** 11 49.82 cM

**Gene Summary:** This gene is one of several cytokine genes clustered on chromosome 11. Chemokines are a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of N-terminal cysteine residues of the mature peptide. This chemokine is a member of the CC subfamily which is characterized by two adjacent cysteine residues. This cytokine displays chemotactic activity for monocytes and memory T cells but not for neutrophils. The human ortholog has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, such as psoriasis, rheumatoid arthritis, and atherosclerosis. [provided by RefSeq, Sep 2015]

**Product images:**



Circular map for MG226804