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Product datasheet for MC209362

Ccl2 (NM_011333) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccl2 (NM_011333) Mouse Untagged Clone
Tag:	Tag Free
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-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209362 representing NM_011333 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCAGGTCCCTGTCATGCTTCTGGGCCTGCTGTTCACAGTTGCCGGCTGGAGCATCCACGTGTTGGCTC AGCCAGATGCAGTTAACGCCCCACTCACCTGCTGCTACTCATTCACCAGCAAGATGATCCCAATGAGTAG GCTGGAGAGCTACAAGAGGATCACCAGCAGCAGGTGTCCCAAAGAAGCTGTAGTTTTTGTCACCAAGCTC AAGAGAGAGGTCTGTGCTGACCCCAAGAAGGAATGGGTCCAGACATACATTAAAAACCTGGATCGGAACC AAATGAGATCAGAACCTACAACTTTATTTAAAACTGCATCTGCCCTAAGGTCTTCAGCACCTTTGAATGT GAAGTTGACCCGTAAATCTGAAGCTAATGCATCCACTACCTTTTCCACAACCACCTCAAGCACTTCTGTA GGAGTGACCAGTGTGACAGTGAACTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_011333
Insert Size:	447 bp

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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
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]