

Product datasheet for MC215508

Msmg (NM_001099314) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Msmg (NM_001099314) Mouse Untagged Clone
Tag: Tag Free
Symbol: Msmg
Synonyms: OTTMUSG00000007017; Psmg
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC215508 representing NM_001099314
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCTAAGGATGCTCTGGGCTGGCCAAGCCAAGGGGATCCTCGGAGGCTGGAGGACCATCTGCTTGG
TGGTGTCTCTGTTCCTACAGCACCCGGGAGTTAGCAGCAAGTGTACTTCCAAGCTCAAGCTCCCTGCCA
CTACGAGGTAATACTCACTCTGGGTGAATCTTGGCTCCGCAAGGACTGTTTCCATTGTACCTGTCTG
CATCCTGTTGGTGTGGGCTGCTGTGACACGGCTCAGCATCCTATTGACTTCCCTGCTGAGTGTGAAGTGC
TACAGGAGGCAGGAACCTGTCAATTTTCCCTGGTGAGAAAGCTGACCCTCGGCTGCCCTGCAAAGGGGG
AGGGCCCGACTTAGAATGGGGCTCGGCTAACACCCTGCTCCTGGGGCTTCTGCCCCCACTCCAGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001099314
Insert Size: 420 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).



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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_001099314.1](#), [NP_001092784.1](#)

RefSeq Size: 743 bp

RefSeq ORF: 420 bp

Locus ID: 100039672

UniProt ID: [B1AWI6](#)

Cytogenetics: 4 A5

Gene Summary: Acts as a ligand for C-C chemokine receptor CCR2 (By similarity). Signals through binding and activation of CCR2 and induces a strong chemotactic response and mobilization of intracellular calcium ions (By similarity). Exhibits a chemotactic activity for monocytes and lymphocytes but not neutrophils (By similarity).[UniProtKB/Swiss-Prot Function]