

Product datasheet for MR217819

Msmp (NM 001099314) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Msmp (NM_001099314) Mouse Tagged ORF Clone

Tag: Myc-DDK
Symbol: Msmp

Synonyms: OTTMUSG0000007017; Psmp

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >MR217819 representing NM_001099314
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

 ${\tt TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC}$

GCCGCGATCGCC

ATGGCCCTAAGGATGCTCTGGGCTGGCCAAGCCAAGGGGATCCTCGGAGGCTGGAGGACCATCTGCTTGG
TGGTGTCTCTGTTCCTACAGCACCCGGGAGTTAGCAGCAAGTGTTACTTCCAAGCTCCAAGCTCCCTGCCA
CTACGAGGGTAAATACTTCACTCTGGGTGAATCTTGGCTCCGCAAGGACTGTTTCCATTGTACCTGTCTG
CATCCTGTTGGTGTGGGCTGCTGTGACACGGCTCAGCATCCTATTGACTTCCCTGCTGAGTGTGAAGTGC
TACAGGAGGCAGGAACCTGTCAATTTTCCCTGGTGCAGAAAGCTGACCCTCGGCTGCCCTGCAAAGGGGG
AGGGCCCGACTTAGAATGGGGCTCGGCTAACACCCCTGCTCCTGGGGCTTCTGCCCCCCACTCCAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217819 representing NM_001099314

Red=Cloning site Green=Tags(s)

MALRMLWAGQAKGILGGWRTICLVVSLFLQHPGVSSKCYFQAQAPCHYEGKYFTLGESWLRKDCFHCTCL HPVGVGCCDTAQHPIDFPAECEVLQEAGTCQFSLVQKADPRLPCKGGGPDLEWGSANTPAPGASAPHSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9056 f01.zip

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

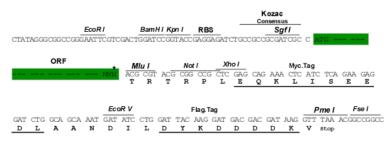
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001099314

ORF Size: 417 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 001099314.1, NP 001092784.1

RefSeq Size: 743 bp RefSeq ORF: 420 bp

Locus ID: 100039672

UniProt ID: B1AWI6



Cytogenetics: 4 A5

MW: 15 kDa

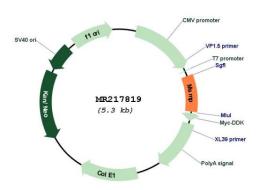
Gene Summary: Acts as a ligand for C-C chemokine receptor CCR2 (By similarity). Signals through binding and

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]

Product images:



Circular map for MR217819