

Product datasheet for MR200099

Smim7 (NM_172396) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Smim7 (NM_172396) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Smim7
Synonyms: 9130011J15Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200099 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATCGGAGACATACTGCTGTTTCGGGACGCTACTGATGAACGCCGGGGCTGTGCTCAACTTTAACTGA
 AAAAGAAGGACACACAAGGCTTTGGGGAAGAATCGAAGGAACCCAGCACAGGAGACAACATCCGAGAGTT
 TTTACTAAGCCTGAGGTATTTCCGGATCTTCATCGCACTGTGGAATGTGTTTCATGATGCTCTGCATGATC
 GACTGTTCCGGCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200099 protein sequence
 Red=Cloning site Green=Tags(s)
 MIGDILLFGTLLMNAGAVLNFKLKKKDTQGFGEESKEPSTGDNIREFLLSLRYFRIFIALWNVFMMLCMI
 VLFGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_172396

ORF Size: 228 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.

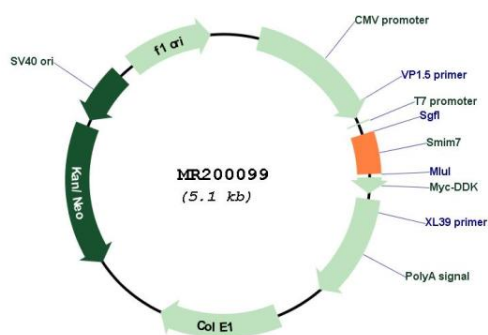
RefSeq: [NM_172396.3](#), [NP_765984.1](#)

RefSeq Size: 2842 bp

RefSeq ORF: 228 bp

Locus ID: 66818
 UniProt ID: [Q5RKS2](#)
 Cytogenetics: 8 B3.3
 MW: 8.6 kDa

Product images:



Circular map for MR200099