

Product datasheet for **MR218240**

Msmb (NM_020597) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Msmb (NM_020597) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Msmb
Synonyms: beta-MSP; PIP; PSP94
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218240 representing NM_020597
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

**ATGGAAGCTTGGCTGGGCAGTCTTTATTCCTTGCTACCATGGTATAGCATCCAAAGCAGTATGTTCTA
TTGAAAATCGTGAGATTTTCAAATCAAATGTCTGATGACTGCATGGATGCTGATGGTAACAAGCATT
CCTTAACACTCCCTGGAAGAAGAACTGCACGTGGTGTTCATGTGACAAAACGTCATCACCTGCTGTACC
AACGCTACTAGGCCTTTGAGCTATGACAAAGACAACCTGTGATGTACAATCCACCCAGAGAAGTGCACCT
ACAGTGTGGTGGATCGGAAGAACCAGGAAGACCTGTCGAGTTGACAGCTGGACTATG**

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence: >MR218240 representing NM_020597
Red=Cloning site Green=Tags(s)

MEAWLGSLFLATMVIASKAVCSINREIFPNQMSDDCMDADGNKHF LNTPWKKNCTWCSDKTSITCCT
NATRPLSYDKNCDVQFHPENCTYSVVDKRNPGKTCRVDSWTM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9006_e09.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_020597

ORF Size: 339 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_020597.3](#), [NP_065622.1](#)

RefSeq Size: 522 bp

RefSeq ORF: 342 bp

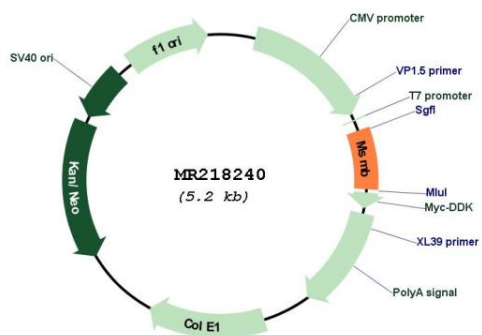
Locus ID: 17695

UniProt ID: O08540

Cytogenetics: 14 B

MW: 13.3 kDa

Product images:



Circular map for MR218240