

Product datasheet for MG201417

Mobp (BC048492) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mobp (BC048492) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mobp
Synonyms: MOBP170, MOBP81, MOBP73, MOBP69, MOBP155
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201417 representing BC048492
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGTCAGAAAATGGCCAAGGAGGGCCCCAGGCTCTCCAAGAACCAGAAAGTTCTCCGAGCACTTCAGCA
TCCACTGCTGCCACCTTCACCTTCTCAACTCCAAGCGTGAGATCGTGGACCGCAAGTACAGCATCTG
CAAGAGCGGTTGCTTTTACCAGAAGAAGGAGGAGGACTGGATCTGCTGTGCCTGCCAGAAGACTAGCCGC
CGTGCCACGTCCCCTCAGAGGCCCAAGCACCAGCCAGCTGCGTCCCCAGTGGTGTCAGAGCGCCGCCAG
CCAAGCCAAAGTCCCCTCTGATGCCAGCCAAGCCAAGTCCCCACCGAGGCCAGCCAAGCCAAGTCCCC
TTCAAGGACTGAGCGCCAGCCGCGTCCCCGCCAGAGGTCCGACCACCAGCCAAGCAGAAGCCCCCT
CAGAAGTCTAAGCAGCCAGCACGCAGCAGCCCCCTCAGAGGGCCAGGCACCAGCCGCGGGGGTCTCCCA
CCAGAGCTCCTAGGTTCTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201417 representing BC048492
Red=Cloning site Green=Tags(s)

MSQKMAKEGPRLSKNQKFSEHFSIHCCPPFTFLNSKREIVDRKYSICKSGCFYQKKEEDWICCAQKTSR
 RATSPQRPKHQPAASPVVVRAPPAKPKSPLMPAKPRSPRPAKPRSPRTERQPRPRPEVRPPPAKQKPP
 QKSKQPARSSPLRGPGRGSPTRAPRFW

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: BC048492

ORF Size: 512 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: [BC048492](#), [AAH48492](#)

RefSeq Size: 813 bp

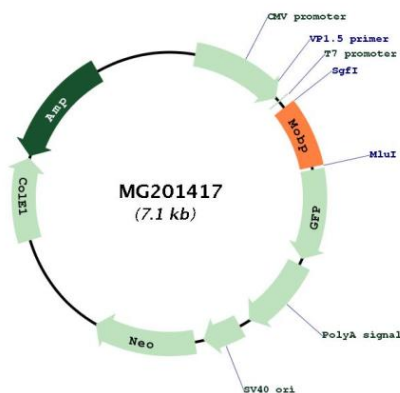
RefSeq ORF: 512 bp

Locus ID: 17433

Cytogenetics: 9 71.41 cM

Gene Summary:

May play a role in compacting or stabilizing the myelin sheath possibly by binding the negatively charged acidic phospholipids of the cytoplasmic membrane.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MG201417