

## Product datasheet for **SC334259**

### MOBP (NM\_001278323) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MOBP (NM_001278323) Human Untagged Clone
Tag:	Tag Free
Symbol:	MOBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001278323, the custom clone sequence may differ by one or more nucleotides

```
ATGAGTCAGAAACCGGCCAAGGAGGGTCCCAGACTCTCCAAAAACCAGAAGTACTCCGAACACTTCAGCA  
TACACTGCTGCCCGCGTTACACCTTCTCAATTCGAAGAAGGAGATAGTGGATCGGAAATACAGCATCTG  
TAAGAGCGGCTGCTTCTACCAGAAGAAAGAGGAGGACTGGATCTGCTGCGCCTGCCAGAAGACCAGAACC  
AGCCGCGGTGCCAAGTCCCCTCAGAGGCCAAGCAACAGCCAGCTGCGCCCCCGCGGTGGTCAGAGCGC  
CAGCCAAGCCACGGTCCCCTCCGAGGTCTGAGCGTCAGCCACGGTCCCCTCCGAGGTCTGAGCGTCAGCC  
ACGGTCCCCTCCGAGGTCTGAGCGTCAGCCACGGTCCCCTCCGAGGTCTGAGCGTCAGCCACGTCCCCGC  
CCAGAGGTCCGACCACCGCCAGCCAAGCAGCGTCCCCTCAGAAGTCCAAGCAACAGCCGCGCAGCAGCC  
CCCTCAGAGGGCCAGGCCAGCCGTGGGGGTCCCCCGTCAAAGCTTCTAGGTTCTGGTAA
```

Restriction Sites:	SgfI-MluI
ACCN:	NM_001278323
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\\_001278323.1](#), [NP\\_001265252.1](#)

**RefSeq Size:** 703 bp

**RefSeq ORF:** 552 bp

**Locus ID:** 4336

**UniProt ID:** [Q13875](#)

**Cytogenetics:** 3p22.1

**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]

Transcript Variant: This variant (2) contains multiple differences in the UTRs and coding region, compared to variant 1. The encoded isoform (b) is shorter and has a distinct C-terminus, compared to isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.