

Product datasheet for SC111885

MOBP (NM_182935) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOBP (NM_182935) Human Untagged Clone
Tag:	Tag Free
Symbol:	MOBP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111885 sequence for NM_182935 edited (data generated by NextGen Sequencing)

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ATGAGTCAGAAACCGCCAAGGAGGGTCCCAGACTCTCCAAAAACCAGAAGTACTCCGAA
CACTTCAGCATACACTGCTGCCCGCGTTACCTTCTCAATTCCAAGAAGGAGATAGTG
GATCGGAAATACAGCATCTGTAAGAGCGGCTGCTTCTACCAGAAGAAAGAGGAGGACTGG
ATCTGCTGCGCCTGCCAGAAGACCAGATTGAAAAGGAAGATCAGGCCAACCCCAAAGAAG
AAGTGA
```

Clone variation with respect to NM_182935.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_182935 unedited
TAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGGACAAGCTCATAACAGAG
ATCCAATCAGCAGATGTGTACGGATGAAAATACAGTGAGATGAGTCAGAAACCGCCAAG
GAGGGTCCCAGACTCTCCAAAAACCAGAAGTACTCCGAACACTTCAGCATACACTGCTGC
CCGCCGTTACCTTCTCAATTCGAAGAAGGAGATAGTGGATCGGAAATACAGCATCTGT
AAGAGCGGCTGCTTCTACCAGAAGAAAGAGGAGGACTGGATCTGCTGCGCCTGCCAGAAG
ACCAGATTGAAAAGGAAGATCAGGCCAACCCCAAAGAAGAAGTGACCAAGGAGGAGTTTA
AACTGAATGAACAACCTCGGCTCCTGGACTCATTGCTTCAACCCATCTACCCCTGGAT
GAAGTTATCTGGCTTCAAATATTATGCAGGGGCAACACCTGCTGATGTGGCAACTGCTG
ATGCTCATGGTCCCCATGGCATGGGGCCCTCAGGGCAGCCTGCCTGGAGTACTTTGAAGA
TGTCAATCCATTGCTTCTGACCTCTATAATTGCCACTGAGAGATCTGCTGTCAGTCTGC
TTATCCTTCCACGGACTCAAGTTTCTTCAATCTGAAGATACATGTCTTTCTCCAGGGACA
TGTGGAAAAAAGATGTTATACAACCATCAAAGTGGCAAAAATAAAAAANATCAAGT
ATTGGCAAAGATGTGGGAAAATTTCTATAAGCTACTGATGAGAAATTTATAAATTATTAT
GACACCNTTTGGNNTGCATCTGGGATACTGGCANAGCAGAAAAATGTACAACCTGTGA
TCAAGCATAATATTTTANGACCCTCCTAGAGAAACNNTGATCTANAAAGTAGTACACGT
AATCTGTCAGGAATATGNNTGCATGAATAGAA
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Restriction Sites: NotI-NotI



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ACCN:	NM_182935
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).
Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_182935.1</u> , <u>NP_891980.1</u>
RefSeq Size:	2602 bp
RefSeq ORF:	246 bp
Locus ID:	4336
UniProt ID:	<u>Q13875</u>
Cytogenetics:	3p22.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks an alternate exon in the coding region, which results in a frameshift, compared to variant 1. The encoded isoform (c) is shorter and has a distinct C-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>