

Product datasheet for **SC101948**

MOBP (AK094745) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOBP (AK094745) Human Untagged Clone
Tag:	Tag Free
Symbol:	MOBP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK094745, the custom clone sequence may differ by one or more nucleotides

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ATTTTTGACTTTCTCCTTTGTAATTAATCTCTATCTGGGTTTCTCCCTTCTCTGTGCCATTTGGTTTCC
TTAATTAGTTCCTGTGCCAGCCCATAGTCAGAGCCATAATTGGCTCTGGGGAAGATCCAAGTTATTTTC
TGAGTAAGATATTAGGCTTCCATATGATCCAGAGATGCAAAGAAATCCCTAGAGAGTGTAGGAGTTGTCT
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CTCCCACTCCTCAGGCCCTTGTCTCCAACCTTACATGAGGCTTTTTGAACATCTCCTCCTGGCCAGCTG
GGGTGAGAGCAAGTCCTCGAAGGCACTGCCTTTGAGCCTTGCTCAGCCCATCTGAACTATCCCAACTCTA
GAATTGACTGCTTTCGAATTGTGTGACCTTGGGAATGTTATCTGGCTTCAACCACAATGCCCTACCCCA
GCTCCTCTCCCAATGATCCTAGATACAGGGCTGCTTCCCCCGACCCTACCCCACTCGGGACACAGGC
TCATGGCCTCATGGCACTTACCACCAGAAGTGGTGTCTCAGAGTTCCTATTTCCACATCTAACCCCTAA
TTCTGGGAAAGTCTGAGGCCTGGTCCCCCAGTCTTCCCTGGCTGGCCTCTCCACATTTTCATCTGA
TGGTGGAGTGAGATCAGGAAAAATAGGACAGGAGCTTTGCCTTGGGGGAGAAGAGAGTTAAGTGTGGAAA
GGGGTGAGTTATAGGAGGTTAAGCAGTCCAAGATTTCTCTCTGTGTAGGAGGCCATTTCTGATGTGA
GGGGTCTGAACCAATTATGATGGGACAGGGTTGGGCATTGACTTCCCATCTCTTCTCTGTTTTTCTC
CCTACTCTGTAGCCAAAACCTTATGGAGGACTTTGATCTTTAGTATAGGCTATTGGTCAGGGCCATA
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GGGAGTTTTCCCTGGGCAAGTTGAGGATCCTTAGATCACCTTGTGCTCCTGTGGACTGGTGTGTGCGT
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TGAAGCTGATCATGAGATGACTGTATGCTGACACACCCCTTCCAGGGCCTGGCCTTACTTAGGGCTGC
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TTCCTGGCTTGTTTGGGCTCAAACCTTAGCTACATTGTTTATTGGCTCCCAAAGTCGGGATTGAAGAGTG
AAAAGATGCAGGCAATGAATCCTTCTGCACACTCCTCCCAACCTTTCCAGCGCTTTTCTACTTAGGAGG
CCAGTGAAGGGAGGAGAGGCCATGCCCTAGCCACAGGGGACAAGGTTTATTGTTCTTCCAGGCTTGGT
TCACTCTGCTTTTGATTGAGAAGCTCTTCCCTACCCAGCAAGACTACACTTTCTTGCTTCTTTCTATT
TTTTCTTTTGTGCGTATAAATGGTATGTTGTGATATTTCTCAGTGCTTGTGCCACCTTGAAGTCTG
TTCTTGCTTTCATTCCGCATGTGATCTGGTCCAAGTCTTGGCCAGGTGCCTTCTGCTCAAATATC
GTCTCAGAGGTGCTTCCCTTGAAACTCGGTGCTTTCCATAGTTACTCTATTTGATCACTCTAAGTTT
GGTTGTCTTCATAGCACTTGTACCCCTCTGGAACCTATTCTATTCTTTTACTTGTAAATGCTTGGC
TCTTTTCCCTCCTAACGTAAACTCCATGATTGCCAACACCTGTTTACTTACTACAGTTCCTCCCTCCCC
CACATTCCTAACACTAGTAAGAACCAATAAACACTTGTGACGG
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AK094745 unedited</p> <p>GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGATTTTCATCTGATGGTG GAGTGAGATCAGGAAAAATGGACAGGAGCTTTGCCTTGGGGGAGAAGAGAGTTAAGTGTG GAAAGGGGTGAGTTATAGGAGGTTAAGCAGTCCAAGATTTCTCTCTGTGTAGGAGGCC ATTTCTGATGTGAGGGGTCTGAACCAATTATGATGGGACAGGGTTGGCATTGACTTC CCATCTCTCTCTGTTTTTCTCCACTATCTGTAGCCAAAACTTTATGGAGGACTT TGATCTTTAGTATAGGCTATTGGTCAGGGCCATAGGAACAAACCCCGATCCTCACTCCAC CAGGATCTACCACATCCCCTACACACAAAACACATGCTGTGGGGAGGGAGTTTTCCCTGG GTCAAGTTGAGGATCCTTAGATCACCTTGCTCCTGTGGACTGGTGTGTGCGTGTGTGT GTGTGTGTGTGTGTGTGTGTGTGTGTATTGTTGGGAACTTAGCTTTCAG AGAATGTCTATGGGCTCTCATTTTCTCTCTCACACAAAAATACTCGGGACTTCTCCAAGT CCCTGAGGAGCCTGACCACTGAAGCTGATCATGAGATGACTGTATGCTGACACACCCCT TCAGGGGCTGGCCTTGACTTAGGGCTGCACTGTATCCTCAGCAACGGCCTTGCANGAGC CCCTTTGNACTGCTTCCCTATTCANCCANATTGGGGTGGTGGAGAAGAAGGGGTNGG GNANTAAATCCATCTCTATTCAAATCCAGCTGGGATTACTCTAAGAGTCTTCTGGCCT GGTTTGGCCTCAAACAACTACATTGTTATTGGCTCCCAATCGGGATAAAAATGAAAA GATCCAGCATTGATCCTCTGCCACTCTTCCCAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for AK094745 unedited</p> <p>ATTACTGTGNNACCGCGCCGCTTTCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTCCCGTCAACAAGTGTATTGGTTCTTACTAATGTCAG GAATGTGGGGGAGGGGAACTGTATTAAGTAAACAGGTGTGGCAATCATGGAGTTTAC GTTAGGAGGGGAAAAGAGCCAACCTTAAACAAGTTAATAAATGAATAGAATAGTTCCAG AGGGTGACAAGTCTTTGAAAACAACCAAACCTTAGAGTGATCAAATAGAGTAACTTTGGA AACCGCCCGAGTTTTCAAGGGAAGCCCTCTGAAACCATATTTGAGCAAAAGGCACCTG GCCAAAATCTTGGACAAAGTATCATATGCGGAATGAAAAGCAAAAACAGAGTTCCAAGG GGGGCACCAGCCCTGAGAATATATCCCAACATACCCTTTTTCCCCCAAAAAGAAAAAT ANAAAGAAGGCCNGAAAGTGTNTCTTGCTGGGTAGGGAAAAAGCTTCTGAATCAAAGC CGAGTGAACCCAGCCTGGAAAAACAATGAACCTTGTCCTGTGGGCTAGGGCATGGCCT CTCCTCCCTTCCCTGGCCTCCTAAATAAAAAAACCCCTGAAAAGTTGGGGAGGATTTGCCA AAAGATTCATTGCCTGGTTTTTTTTCTCTTAAATCCCACTTTGGGAGCCCATAAACAATG GTGCTTAATTTTGGCCCCAACAGCCCGAAAACCCCAAGGAATCCCCCGGATTTTAA AAAAATGGTTTCTCCCCCCTTTTTCCCCCCCCCACTTTGGGTGAAAGTGAAAATCC CCAAGGGCTCCCCAAGCCCTTCTTTGATAAATGAACCTAATAAAGCCCCCCCCCAAGG GTGGTTCCCCCAT</p>
Restriction Sites:	NotI-NotI
ACCN:	AK094745
Insert Size:	1500 bp
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:

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: [AK094745.1](#)

RefSeq Size: 2144 bp

RefSeq ORF: 2144 bp

Locus ID: 4336

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]