

Product datasheet for **SC109457**

MSMB (NM_138634) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MSMB (NM_138634) Human Untagged Clone
Tag:	Tag Free
Symbol:	MSMB
Synonyms:	HPC13; IGBF; MSP; MSPB; PN44; PRPS; PSP; PSP-94; PSP57; PSP94
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_138634 edited
 ATGAATGTTCTCCTGGGCAGCGTTGTGATCTTTGCCACCTTCGTGACTTTATGCAATGCA
 TCATGCTATTTTCATACCTAATGAGGGAGTCCAGGAGATTCAACCAGGATGTTTCTACAC
 CTGTGGGTTATGACAAAGACAACCTGCCAAAGAATCTTCAAGAAGGAGGACTGCAAGTATA
 TCGTGGTGGAGAAGAAGGACCCAAAAAAGACCTGTTCTGTCAAGTGAATGGATAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_138634 unedited
 NGGGGTTCANATTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGTCCTGC
 TTATCACAAATGAATGTTCTCCTGGGCAGCGTTGTGATCTTTGCCACCTTCGTGACTTTAT
 GCAATGCATCATGCTATTTTCATACCTAATGAGGGAGTCCAGGAGATTCAACCAGGATGT
 TTCTACACCTGTGGGTTATGACAAAGACAACCTGCCAAAGAATCTTCAAGAAGGAGGACTG
 CAAGTATATCGTGGTGGAGAAGAAGGACCCAAAAAAGACCTGTTCTGTCAAGTGAATGGAT
 AATCTAATGTGCTTCTAGTAGGCACAGGGCTCCCAGGCCAGGCCTCATTCTCCTCTGGCC
 TCTAATAGTCAATGATTGTGTAGCCATGCCTATCAGTAAAAAGATTTTTGAGCAAAAAA
 AAAAAAAAAAAGTCTGACTCTAGATTGCGGCCGCGGTTCATAGCTGTTTCTGAACAGATCC
 CGGGTGGCATCCCTGTGACCCCTCCCAGTGCCTCCTGGCCCTGGAAGTTGCCACTCC
 AGTGCCACCAGCCTTGCCTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTC
 CTTCTATATATTTATGGGGTGGAGGGGGTGGGTTAATGGANCAAGGGCAAGTTGGGA
 AGACAACCTGTAGGCCCTGCGGGTCTATTGGGAACCAAGCTGGAGTGCAGTGGCACAAT
 CTTGGCTCACTGCAATCTCCGCCTCCTGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCC
 AGTTGTTGGGATTCAGGCATGCATGACCAGGCTCAGCTAATTTTTGGTTTTTGGTAGA
 GACGGGTTTTACCATATTGGCCAGGCTGGTCTCCACTCCTATCTAAGTGATCTACCCAC
 CTTGCCTCCAATTGCTGGATACAAGCGTAACCACTGCTCCTC



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_138634 unedited NNCCGGTATACTATGGAACCGCGCCGCATNCTANGATCGAGTTTTTTTTTTTTTTTTTTTT GCTCAAAAATCTTTTTACTGATAGGCATGGCTACACAATCATTGACTATTAGAGGCCAGA GGAGAATGAGGCCTGGCCTGGGAGCCCTGTGCCTACTAGAAGCACATTAGATTATCCATT CACTGACAGAACAGGTCTTTTTGGGTCCTTCTTCCACCACGATATACTTGCAGTCTCT CCTTCTTGAAGATTCTTTGGCAGTTGTCTTTGTCATAACCCACAGGTGTAGAAACATCCT GGTTGAATCTCCTGGAACCTCCCTCATTAGGTATGAAATAGCATGATGCATTGCATAAAGT CACGAAGGTGGCAAAGATCACAAACGCTGCCAGGAGAACATTATTGTGATAAGCAGGAC CTCGTGCCGAATTTCGCGCCGCCCTATAGTGAGTCGTATTACAAAATTCTGACGGTTCAC TAAACGAGCTCTGCTTATATAGACCTCCCACCGTACACGCCTACCGCCATTTGCGTCAA CGGGGCGGGGTTATTACGACATTTGGAAAGTCCCCTTGATTTTGGTGCCAAAACAACT CCCATTGACGTCAATGGGGTGGAGACTTGGAAATCCCCGTGAGTCAAACCGCTATCCACG CCCATTGGTGTACTGCCAAAACCGCATCACCATGGTAATAGCGATGACTAATACGTAGAT GTACTGCCAAGTAGGAAAGTCCCGTAAGGTCATGTACTGGGCATAATGCCNAGCGGGCCA TTTACCGTCATTGACGTCAATAGGGGGCGGACTTGGCATATGATACACTTTGATGTACTG GCCAGTGGGGCAGTTTTACCCGTAATACTCCACCATTGACGTNCATGGGAAGTCCCTAT GGGCGTACTATGGGAACATACGTCATTATTGACG
Restriction Sites:	NotI-NotI
ACCN:	NM_138634
Insert Size:	500 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:	<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_138634.1</u> , <u>NP_619540.1</u>
RefSeq Size:	466 bp
RefSeq ORF:	234 bp
Locus ID:	4477
UniProt ID:	<u>P08118</u>
Cytogenetics:	10q11.22
Protein Families:	Secreted Protein, Transmembrane

Gene Summary:

The protein encoded by this gene is a member of the immunoglobulin binding factor family. It is synthesized by the epithelial cells of the prostate gland and secreted into the seminal plasma. This protein has inhibin-like activity. It may have a role as an autocrine paracrine factor in uterine, breast and other female reproductive tissues. The expression of the encoded protein is found to be decreased in prostate cancer. Two alternatively spliced transcript variants encoding different isoforms are described for this gene. The use of alternate polyadenylation sites has been found for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (PSP57) lacks an alternate coding exon compared to variant PSP94, that causes a frameshift. The resulting isoform (b) has a shorter and distinct C-terminus compared to isoform a.