

Product datasheet for **SC111654**

MSMB (NM_002443) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MSMB (NM_002443) 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: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_002443 edited
 GAATTCGGCAGCAGCCTGCTTATCACAATGAATGTTCTCCTGGCAGCGTTGTGATCTTT
 GCCACCTTCGTGACTTTATGCAATGCATCATGCTATTTTCATACCTAATGAGGGAGTTCCA
 GGAGATTC AACAGGAAAATGCATGGATCTCAAAGGAAACAAACACCCAATAAACTCGGAG
 TGGCAGACTGACAACTGTGAGACATGCACCTTGCTACGAAACAGAAATTTTCATGTTGCACC
 CTTGTTTCTACACCTGTGGGTTATGACAAAGACAACCTGCCAAAGAATCTTCAAGAAGGAG
 GACTGCAAGTATATCGTGGTGGAGAAGAAGGACCCAAAAAAGACCTGTTCTGTCAGTGAA
 TGGATAATCTAATGTGCTTCTAGTAGGCACAGGGCTCCCAGGCCAGGCCTCATTCTCCTC
 TGGCCTCAATAGTCAATGATTGTGTAGCCATGCCTATCAGTAAAAAGATTTTTGAGCAA
 ACACTTGAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_002443 unedited
 NGATGTGCANAATTGTATACGATCATATAGGGCGCCGCGAATTCGCACGAGCCTGCTTA
 TCACAATGAATGTTCTCCTGGCAGCGTTGTGATCTTTGCCACCTTCGTGACTTTATGCA
 ATGCATCATGCTATTTTCATACCTAATGAGGGAGTTCCAGGAGATTCAACCAGGAAATGCA
 TGGATCTCAAAGGAAACAAACACCCAATAAACTCGGAGTGGCAGACTGACAACTGTGAGA
 CATGCACCTTGCTACGAAACAGAAATTTTCATGTTGCACCCTTGTTTCTACACCTGTGGGTT
 ATGACAAAGACAACCTGCCAAAGAATCTTCAAGAAGGAGGACTGCAAGTATATCGTGGTGG
 AGAAGAAGGACCCAAAAAAGACCTGTTCTGTGAGTGAATGGATAATCTAATGTGCTCTA
 GTAGGCACAGGGCTCCCAGGCCAGGCCTCATTCTCCTCTGGCCTTAATAGTCAATGATT
 GTGTAGCCATGCCTATCAGTAAAAAGATTTTTGAGCAAACACTTGAAAAAAAAAAAAAAAA
 AAAACTCGACTCTAGATTGCGGCCGCGGTATAGCTGTTTCTGAAACAGATCCCGGGTGG
 CATCCCTGTGACCCCTCCCAGTGCCTCTCCTGGCCCTGGAAAGTTGCCACTCCAGTGCC
 ACCAGCCTTGCTAATAAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCCTTCTAT
 AATATTATGGGGTGGAGGGGGTGGTATGGAGCAGGGGCAAGTTGGGAAACAACCTGTAG
 GCCTGCGGGTCTATTGGGACCAACTGNATGCAGTGCACATCTTGGTCACTGCATCTCC
 GCTTCTGGGTTAAGCGATTTCTGCCTCAGCCTCCGAGTTGTTGGATCC



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002443 unedited TTCCCTNCCCTTTTTTTTTCTTTTNCCTCAGGTTCCCTACTCTGCACGCGGCCGCATCTAC GATCGGTTTTTTTTTTTTTTTTTTTTCAGGGTCCGCTCAAAAACCTTTTCACTGATAGGCA TGGCTACACAATCATTGACTATTAAGGCTAAAGGACAATGAGGCCTGCCCTGGGACCCC TGTGCCTACTACAACCACATCCCATTACCCACCCACTGACACAACAGGTCTTTTTGGGC CTTCCCTCCCCCCCCTTATCTTTGTCCCTCTATCCCCGCCATTCTCCCAACCCCTC CCTCGTCTTTCAACCACGTCTACACATGGCTCCCCCTGTATCCCCCCCCTCACATC ACGCGTTCGCTCTCACTTTTCTACCCTTCCCCTCTAATTACCTCCGCTCAACCCC ATCCCATCCTTCCCTATTTCTCTATCTAACATTTCCCCTTTTCTTCCACCACTTCCC TAATTCCTTTCACACCCCACTAATCCCTCCATCCTCCCCCATCCCCAAATCTTTA CCACCATTTCTTCTTCTCAACACCTATCGCCCCCATCCACATCAATCTATAA TTTTTCCCACTTCTTCCCTTCCAATTTTCTCCCCCTCACTCCCCACCAACCCCAT CCCCCCCCTCCCTTCCCCCATCTCTTTTCCACCCCCCCCCCCCCCCCCCTTTTCC CCCCTCCCTTTTCAACCCCTTCTCCCCCTCCCTCTATCTCCCTCCCTATATCC CCCTATCTTCTTTCCATCCTTCTCCAACCTTCTCGCCACCACCCCGCCCTCCC CCCCCCTCCCCCTCCTTCCACCTCCCACTTACTTTCCCATCTCCTACCGAATCATT TTTATATTACCCCCCCCCCAACGTCTTTCCACATCCCTGAACCGCTACAATTATATCC TCTTTCTCCCCCG
Restriction Sites:	NotI-NotI
ACCN:	NM_002443
Insert Size:	520 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_002443.2</u> , <u>NP_002434.1</u>
RefSeq Size:	572 bp
RefSeq ORF:	345 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 (PSP94) encodes the full length isoform (a).