

Product datasheet for **RG202704**

MSMB (NM_002443) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MSMB (NM_002443) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MSMB
Synonyms: HPC13; IGBF; MSP; MSPB; PN44; PRPS; PSP; PSP-94; PSP57; PSP94
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202704 representing NM_002443
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGTTCTCCTGGGCAGCGTTGTGATCTTTGCCACCTTCGTGACTTTATGCAATGCATCATGCTATT
TCATACCTAATGAGGGAGTTCAGGAGATTCAACCAGGAAATGCATGGATCTCAAAGGAAACAAACACCC
AATAAACTCGGAGTGGCAGACTGACAACTGTGAGACATGCACTTGCTACGAAACAGAAATTTTCATGTTGC
ACCCTTGTCTACACCTGTGGTTATGACAAAGACAACCTGCCAAAGAATCTCAAGAAGGAGGACTGCA
AGTATATCGTGGTGGAGAAGAAGGACCCAAAAAGACCTGTTCTGTGAGTGAATGGATAATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202704 representing NM_002443
Red=Cloning site Green=Tags(s)
MNVLLGSVVIFATFVTLCNASCYFIPNEGVPDSTRKCMDLKGNKHPINSEWQTDNCETCTCYETEISCC
TLVSTPVGVDKNCQRIFKKEDCKYIVVEKKDPKKTCSVSEWII

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_002443

ORF Size: 342 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_002443.4](#)

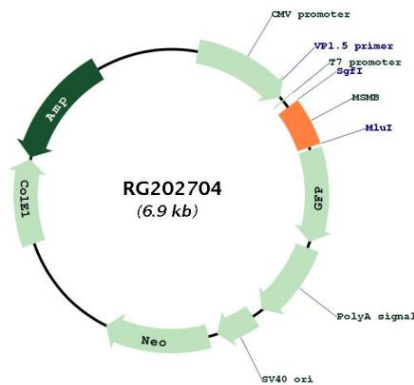
RefSeq Size: 572 bp

RefSeq ORF: 345 bp

Locus ID: 4477
UniProt ID: [P08118](#)
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]

Product images:



Circular map for RG202704