

Recombinant Human MSMB

Cat. No. MSMB-31099TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Prostate Secretory Protein/PSP with N terminal proprietary tag, 38.65kDa.
Species	Human
Source	Wheat Germ
ProteinLength	114 amino acids
Description	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.
Molecular Weight	38.650kDa inclusive of tags
Tissue specificity	Strongly expressed in prostate, liver, kidney, breast and penis. Also expressed in pancreas, esophagus, stomach, deodenum, colon, trachea, lung, salivary glands and fallopian tube. PSP94 is expressed in lung and breast, whereas PSP57 is found in kidney an
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MNVLLGSVVIFATFVTLCNASCYFIPNEGVPGDSTRKCMD LKGNKHPINSEWQTDN CETCTCYETEISCCTLVSTPVG YD KDNCQRIFKKEDCKYIVVEKKDPKKTCSVSEWII
Sequence Similarities	Belongs to the beta-microseminoprotein family.

GENE INFORMATION

Gene Name	MSMB microseminoprotein, beta- [Homo sapiens]
Official Symbol	MSMB
Synonyms	MSMB; microseminoprotein, beta-; beta-microseminoprotein; IGBF; MSP; MSPB; PN44; PRPS; PSP; PSP 94; PSP57; PSP94;
Gene ID	4477
mRNA Refseq	NM_002443
Protein Refseq	NP_002434
MIM	157145
Uniprot ID	P08118

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Chromosome Location	10q11.2
Function	molecular_function;