

Recombinant Human MSMB, His-tagged

Cat. No. MSMB-3655H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Total 104 AA. MW: 12.01 kDa (calculated). N-terminal His-tag, 10extra AA (highlighted).
Species	Human
Source	E.coli
Description	Beta-microseminoprotein is a protein that in humans is encoded by the MSMB gene. MSMB 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. 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.
Form	Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 20mM Tris buffer, 20mM NaCl, pH 7.5.
Research topic	Oncology
Purity	>95%
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

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Applications	Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein
Sequences of amino acids	MKHHHHHHAS SCYFIPNEGV PGDSTRKCMD LKGNKHPINS EWQTDNCETC TCYETEISCC TLVSTPVG YD KDNCQRIFKK EDCKYIVVEK KDPKKTCSVS EWII
Storage	Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

GENE INFORMATION

Gene Name	MSMB microseminoprotein, beta- [Homo sapiens]
Official Symbol	MSMB
Synonyms	MSMB; microseminoprotein, beta-; MSP; PSP; IGBF; MSPB; PN44; PRPS; HPC13; PSP57; PSP94; PSP-94; beta-microseminoprotein; OTTHUMP00000019596; OTTHUMP00000019597; seminal plasma beta-inhibin; immunoglobulin binding factor; prostate secreted seminal plasma protein; prostate secretory protein of 94 amino acids; Beta-microseminoprotein; Immunoglobulin-binding factor; Prostate secreted seminal plasma protein; Prostate secretory protein of 94 amino acids; Seminal plasma beta-inhibin
Gene ID	4477
mRNA Refseq	NM_002443

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Protein Refseq	NP_002434
MIM	157145
UniProt ID	P08118
Chromosome Location	10q11.2
Function	Molecular function
Protein MSMB PDB2iz3	