

Recombinant Human Microseminoprotein, Beta-, His-tagged

Cat. No. MSMB-187H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human microseminoprotein, beta-(His-tagged) produced in <i>E. Coli</i> is a single, non-glycosylated, polypeptide chain. The Human IGBF contains 104 amino acids and has a molecular mass of 12 kDa. The Human IGBF is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
Description	Microseminoprotein 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.
Amino Acid Sequence	MKHHHHHHAS SCYFIPNEGV PGDSTRKCMD LKGNKHPINS EWQTDNCETC TCYETEISCC TLVSTPVG YD KDNCQRIFKK EDCKYIVVEK KDPKKTCSVS EWII.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	The sterile filtered concentrated (0.5mg/ml) protein solution was lyophilized with 20mM Tris & 20mM NaCl pH-7.5.

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Solubility	Add deionized water to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely.
Purity	Greater than 95% as determined by SDS-PAGE.
Stability	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time.

GENE INFORMATION

Gene Name	MSMB microseminoprotein, beta- [Homo sapiens]
Synonyms	MSMB; IGBF; MSP; MSPB; MSP-B; PN44; PRPS; PRSP; PSP; PSP-94; PSP57; PSP94; Microseminoprotein, beta-; HPC13; PN44; MSP-beta; OTTHUMP00000019596; OTTHUMP00000019597; beta-MSP; beta-microseminoprotein; Immunoglobulin-binding factor; Prostate secreted seminal plasma protein; Prostate secretory protein PSP94; Seminal plasma beta-inhibin; immunoglobulin binding factor; microseminoprotein, beta-; prostatic secretory protein 94; Seminal plasma beta-inhibin
Gene ID	4477
mRNA Refseq	NM_002443
Protein Refseq	NP_002434
MIM	157145
UniProt ID	P08118

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Chromosome Location	10q11
Function	Molecular function

PDB rendering based
on 2iz

