

## PSP94/MSMB Protein, Human (His)

<b>Cat. No.:</b>	HY-P79138
<b>Synonyms:</b>	Beta-microseminoprotein; MSMB; Immunoglobulin-binding factor; IGBF; PN44; Prostate secreted seminal plasma protein; Prostate secretory protein of 94 amino acids; PSP-94; PSP94; Seminal plasma beta-inhibin; PRSP; Prostate Secretory Protein of 94 Amino Acid
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	P08118 (S21-I114)
<b>Gene ID:</b>	4477
<b>Molecular Weight:</b>	Approximately 14 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>S C Y F I P N E G V    P G D S T R K C M D    L K G N K H P I N S    E W Q T D N C E T C</p> <p>T C Y E T E I S C C    T L V S T P V G Y D    K D N C Q R I F K K    E D C K Y I V V E K</p> <p>K D P K K T C S V S    E W I I</p>
<b>Biological Activity</b>	Measured by its ability to inhibit the proliferation of DU145 cells. The ED <sub>50</sub> for this effect is 0.6869 ng/mL, corresponding to a specific activity is 1.45×10 <sup>6</sup> Unit/mg.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, 200 mM arginine, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/μg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	PSP94/MSMB protein forms a homodimer and interacts with PI16, highlighting its role in molecular interactions and potential functional significance within cellular processes.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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