



Product Datasheet

Product Name	Beta-Microseminoprotein Human Recombinant
Cata No	CB501455
Source	<i>Escherichia Coli.</i>
Synonyms	Beta-microseminoprotein, Prostate secreted seminal plasma protein, Prostate secretory protein PSP94, Seminal plasma beta-inhibin, Immunoglobulin-binding factor, MSP, PSP, PSP57, PSP94, PSP-94, MSP-beta, beta-MSP, Microseminoprotein, IGBF, PN44, MSMB, MSP-B, MSPB, PRPS, Prostatic Secretory Protein.

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.

PSP94 Recombinant Human produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 104 amino acids and having a molecular mass of 12 kDa.

The PSP94 is fused to His tag at N-Terminus.

The Human IGBF is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried)

powder.

Purity

Greater than 95% as determined by SDS-PAGE.

Formulation

The sterile filtered concentrated (0.5mg/ml) protein solution was lyophilized with 20mM Tris & 20mM NaCl pH-7.5.

Reconstitution

Add deionized water to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely.

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.

Sequence

MKHHHHHAS SCYFIPNEGV PGDSTRKCMD
LKG NKHPINS EWQTDNCETC TCYETEISCC
TLVSTPVG YD KDNCQRIFKK EDCKYIVVEK
KDPKKTCSVSEWII

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