

PRODUCT DATASHEET

Beta-Microseminoprotein Human E. coli

Cat. No.: RD172140100

Type: Recombinant protein

Size: 0.1 mg

Source: E. coli

Species: Human

Description

Total 104 AA. MW: 12.01 kDa (calculated). UniProtKB acc.no. P08118. N-terminal His-tag, 10extra AA (highlighted).

Other names

Prostate secretory protein PSP94, Prostate secreted seminal plasma protein, Prostate secretory protein of 94 amino acids, PSP-94, Seminal plasma beta-inhibin, Immunoglobulin-binding factor, IGBF, PN44, MSMB, PRSP

Introduction to the molecule

Research topic

Animal studies, Oncology

Amino Acid sequence

MKHHHHHHAS SCYFIPNEGV PGDSTRKCMD LKGNKHPINS EWQTDNCETC TCYETEISCC TLVSTPVG YD KDNCQRIFKK
EDCKYIWEK KDPKKTCSVS EWII

Purity

>95%

Endotoxin

< 0.1 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml in 20mM Tris buffer, 20mM NaCl, pH 7.5

Reconstituion:

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store the lyophilized protein at $-80\text{ }^{\circ}\text{C}$. Lyophilized protein remains stable until the expiry date when stored at $-80\text{ }^{\circ}\text{C}$. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at $-80\text{ }^{\circ}\text{C}$ for long term storage. Reconstituted protein can be stored at $4\text{ }^{\circ}\text{C}$ for a week.

Quality control

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

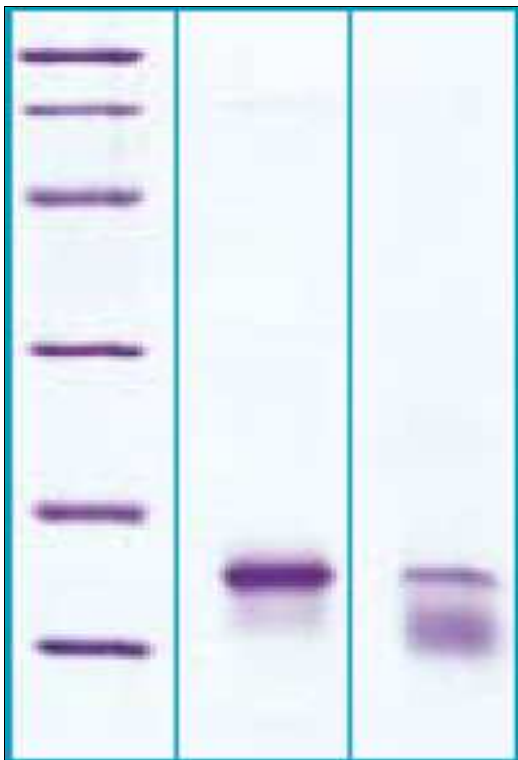
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



12% SDS-PAGE separation of Human PSP 94

1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa

2. reduced and heated sample, $5\mu\text{g}$ / lane

3. non-reduced and non-heated sample, $5\mu\text{g}$ / lane