

Datasheet for ABIN7275492

Microseminoprotein, Prostate Associated (MSMP) (AA 37-139) protein (Fc Tag)



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2 Images

Overview

Quantity:	100 µg
Target:	Microseminoprotein, Prostate Associated (MSMP)
Protein Characteristics:	AA 37-139
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	Fc Tag

Product Details

Purpose:	Human PSMP Protein
Sequence:	Lys37-Ser139
Characteristics:	Recombinant Human PSMP Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Lys37-Ser139.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Microseminoprotein, Prostate Associated (MSMP)
Alternative Name:	PSMP (MSMP Products)

Target Details

Background: PC3-secreted microprotein (PSMP)/microseminoprotein (MSMP) is a novel chemotactic cytokine and its receptor is CCR2. PSMP was highly expressed in fibrotic/cirrhotic tissues from patients with different etiologies of liver disease and in the 3 experimental mouse models of fibrosis. Damage-associated molecular pattern molecules HMGB-1 and IL-33 induced hepatocytes to produce PSMP. PSMP promotes liver fibrosis through inflammatory macrophage infiltration, polarization and production of proinflammatory cytokines, as well as direct activation of hepatic stellate cells via its receptor CCR2.

Molecular Weight: 37.9 kDa. Due to glycosylation, the protein migrates to 45-50 kDa based on Tris-Bis PAGE result.

UniProt: [Q1L6U9](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

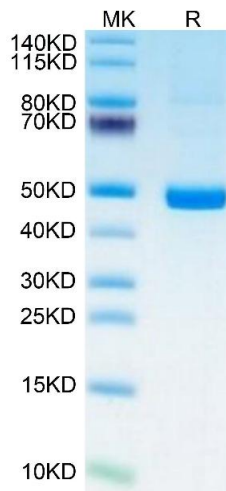
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

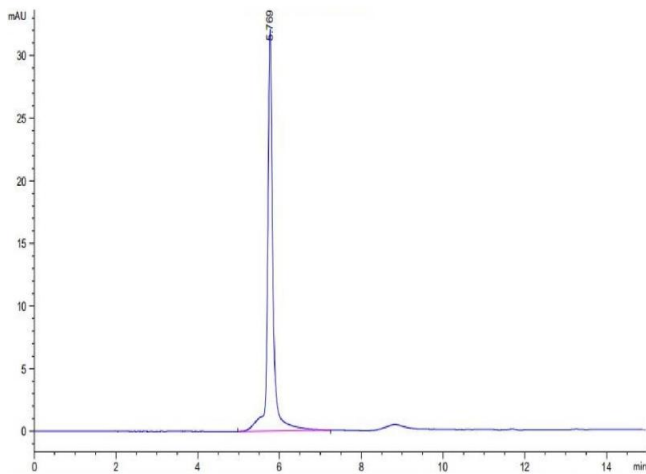
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human PSMP on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human PSMP is greater than 95 % as determined by SEC-HPLC.