

RP02737

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Recombinant Human PSMA/FOLH1 Protein

Catalog No.: RP02737 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	2346	Q04609-1

Tags

N-hFc

Synonyms

GCP2; PSMA; PSMAFGCP; FGCP; Folate hydrolase 1; FOLHNAALADase I; GCPII; GCPIImGCP; NAALAD1; NAALADase I; NAALADase; FOLH1; GIG27; PSM; FOLH; mGCP

Product Information

Source

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Purification

≥ 90 % as determined by SDS-PAGE; ≥ 90 % as determined by HPLC.

Endotoxin

< 0.01 EU/μg of the protein by LAL method

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of

Background

Prostate-specific membrane antigen (PSMA) is an enzyme that in humans is encoded by the FOLH1 (folate hydrolase 1) gene, also known as Glutamate carboxypeptidase II (GCPII). Human PSMA is highly expressed in the prostate, roughly a hundred times greater than in most other tissues. In some prostate cancers, PSMA is the second-most upregulated gene product, with an 8- to 12-fold increase over levels in noncancerous prostate cells.

Basic Information

Description

Recombinant Human PSMA/FOLH1 Protein is expressed from Expi293 with hFc tag at the N-terminal. ; It contains Lys44-Ala750.

Bio-Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C. Avoid repeated freeze/thaw cycles.

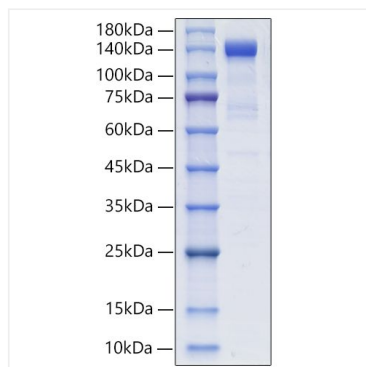
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Contact

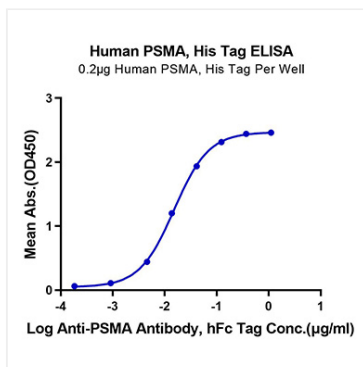


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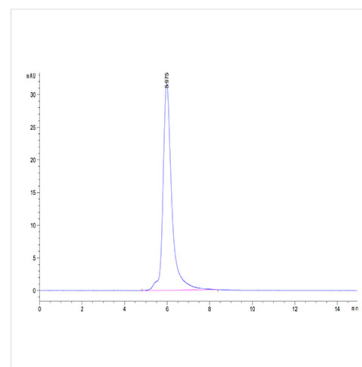
Validation Data



Recombinant Human PSMA/FOLH1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human PSMA, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-PSMA Antibody, hFc Tag with the EC₅₀ of 15.2ng/ml determined by ELISA.



The purity of Human PSMA is greater than 90% as determined by SEC-HPLC.