Recombinant Human PSMA/FOLH1 Protein

Catalog No.: RP02737

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Sequence Information

Species
Human

Gene ID
2346

Swiss Prot
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
HEK293 cells

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

Calculated MW
105.48 kDa

Observed MW
130-150 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method

Formulation

Reconstitution
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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

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.

Storage
Store at -20℃

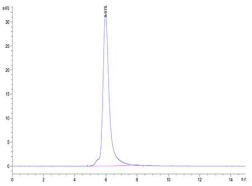
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

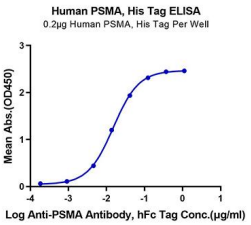
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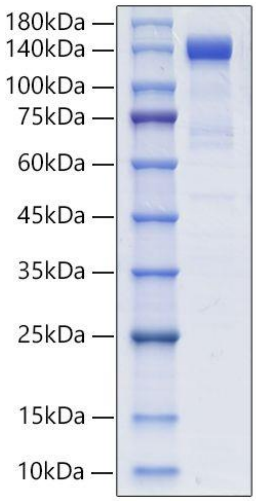
Validation Data



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



Immobilized Human PSMA, His Tag at 2μg/ml (100μl/Well) on the plate. Dose response curve for Anti-PSMA Antibody, hFc Tag with the EC_{50} of 15.2ng/ml determined by ELISA.



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