

Bioactive

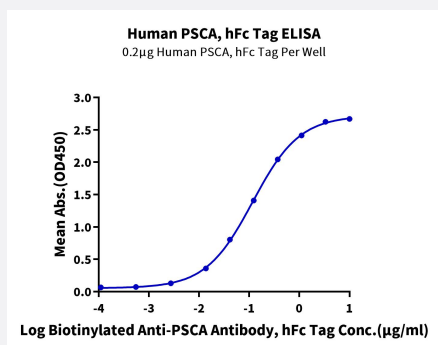
HuPro®

PSCA (Human) Recombinant Protein

Catalog # P9911

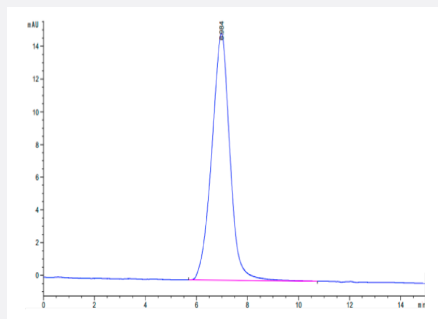
Size 100 ug

Applications



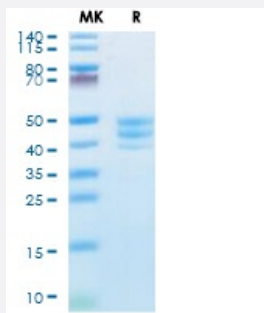
Enzyme-linked Immunoabsorbent Assay

Immobilized Human PSCA, hFc Tag at 2 ug/mL (100 uL/Well) on the plate. Dose response curve for Biotinylated Anti-PSCA Antibody, hFc Tag with the EC50 of 117.3 ng/mL determined by ELISA.



SEC-HPLC

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



Tris-Bis PAGE

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

Specification

Product Description	Human PSCA (O43653, Leu12-Ser86) partial recombinant protein with hFc tag at N-Terminus expressed in HEK293 cells.
Sequence	Leu12-Ser86
Host	Human
Theoretical MW (kDa)	34.3
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC ₅₀ was 117.3 ng/mL, measured by ELISA at 2 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human PSCA is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human PSCA on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human PSCA, hFc Tag at 2 ug/mL (100 uL/Well) on the plate. Dose response curve for Biotinylated Anti-PSCA Antibody, hFc Tag with the EC₅₀ of 117.3 ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

Gene Info — PSCA

Entrez GeneID [8000](#)**Protein Accession#** [O43653](#)**Gene Name** PSCA**Gene Alias** PRO232**Gene Description** prostate stem cell antigen**Omim ID** [602470](#)**Gene Ontology** [Hyperlink](#)

Gene Summary This gene encodes a glycosylphosphatidylinositol-anchored cell membrane glycoprotein. In addition to being highly expressed in the prostate it is also expressed in the bladder, placenta, colon, kidney, and stomach. This gene is up-regulated in a large proportion of prostate cancers and is also detected in cancers of the bladder and pancreas. This gene has a nonsynonymous nucleotide polymorphism at its start codon. [provided by RefSeq]

Other Designations -

Disease

- [Adenocarcinoma](#)
- [Carcinoma](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Intestinal Neoplasms](#)
- [Neoplasms](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)