Recombinant Human Prostate stem cell antigen /PSCA Protein

Catalog No.: RP02245

Sequence Information

Species
Human

Gene ID
8000

Swiss Prot
O43653

Tags
C-His

Synonyms
PSCA,PRO232

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
9.06 kDa

Observed MW
15-35 kDa

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

Formulation
Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 66 % trehalose is added as protectants before lyophilization.

Reconstitution
Reconstitute with deionized water

Background

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 includes a polymorphism that results in an upstream start codon in some individuals; this polymorphism is thought to be associated with a risk for certain gastric and bladder cancers. Alternative splicing results in multiple transcript variants.

Basic Information

Description
Recombinant Human Prostate stem cell antigen/PSCA Protein is produced by HEK293 cells expression system. The target protein is expressed with Prostate stem cell antigen/PSCA(Leu12-Ser86) fused with a His Tag at the C-terminal. .

Activity
Immobilized Human Prostate stem cell antigen/PSCA(Catalog: RP02245) at 1μg/mL (100μL/well) can bind Rabbit anti His-tag mAb (Catalog: AE086) with a linear range of 0.24-3.02 ng/mL.

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℃

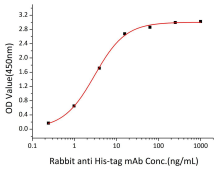
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

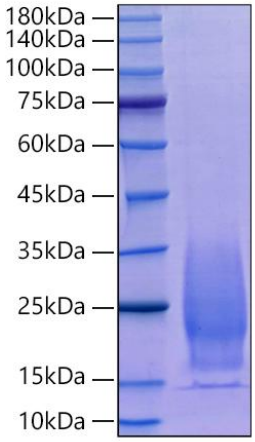
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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Immobilized Human Prostate stem cell antigen/PSCA(Catalog: RP02245) at 1μg/mL (100μL/well) can bind Rabbit anti His-tag mAb (Catalog: AE086) with a linear range of 0.24-3.02 ng/mL.



Recombinant Human Prostate stem cell antigen/PSCA Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.