

For Research Use Only

# Recombinant Human PSCA protein (rFc Tag)



Catalog Number: Eg2141

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/μg protein, LAL method

**Source:**

HEK293-derived Human PSCA protein Leu12-Ser86 (Accession# O43653) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

8000

**Accession:**

O43653

**Predicted Molecular Mass:**

34.5 kDa

**SDS-PAGE:**

38-55 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Prostate stem cell antigen (PSCA), composed of 123 amino acid residues, is a glycosylphosphatidylinositol (GPI)-anchored cell surface protein belonging to the Thy-1/Ly-6 family. It is highly expressed in normal prostate and further up-regulated in prostate cancer, as well as non-prostatic malignancies including gastric cancer. PSCA plays a critical role in cell adhesion, proliferation, and survival.

## References

1. R E Reiter, et al. (1998) Proc Natl Acad Sci U S A. 95(4):1735-40.
2. Z Gu, et al. (2000) Oncogene. 19(10):1288-96.
3. Hiromi Sakamoto, et al. (2008) Nat Genet. 40(6):730-40.

## Synonyms

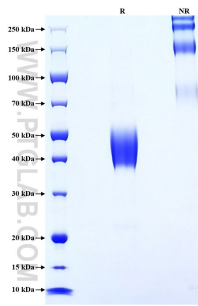
PSCA, PRO232, UNQ206/PRO232

For technical support and original validation data for this product please contact

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## Selected Validation Data



Purity of Recombinant Human PSCA was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.