

Prostate Stem Cell Antigen (PSCA) Recombinant Protein | PSCA recombinant protein

Recombinant Prostate Stem Cell Antigen (PSCA)

CATALOG # AAA20218	HOST E Coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS SDS-Page, Western Blot, ELISA, Immunoprecipitation
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PRODUCT SYNONYMS

Prostate Stem Cell Antigen (PSCA); Recombinant Prostate Stem Cell Antigen (PSCA); PSCA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Homo sapiens (Human)
Purity/Purification	>98%
Form/Format	PBS, pH7.6, containing 5% trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for PSCA recombinant protein	SDS-PAGE, WB (Western Blot), ELISA, IP (Immunoprecipitation)
Application Notes	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling. (May be suitable for use in other assays to be determined by the end user.)
Source	Prokaryotic expression.
Residues	Leu22~Ser95
Tags	N-terminal His-Tag
Tissue Specificity	Prostate Gland, Skin.
Subcellular Location	Cell membrane; Lipid-anchor, GPI-anchor.
Traits	Freeze-dried powder
Predicted isoelectric point	5.8
Predicted Molecular Mass	9.4kDa
Accurate Molecular Mass	13kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in PBS (pH7.6) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

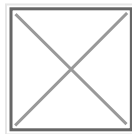
Preparation and Storage

Storage: Avoid repeated freeze/thaw cycles.
Store at 2-8 degree C for one month.
Aliquot and store at -80 degree C for 12 months.

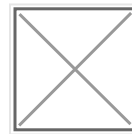
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES

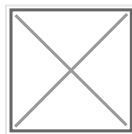
Application Data



SDS-PAGE



Sequence Information



NCBI AND UNIPROT INFORMATION

NCBI GI #	10720240
UniProt Accession #	O43653; Q6UW92
NCBI Official Full Name	Prostate stem cell antigen
UniProt Protein Name	Prostate stem cell antigen
UniProt Gene Name	PSCA
UniProt Entry Name	PSCA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/psca-recombinant-protein-e-coli-sds-page-wb-western-blot-elisa-ip-immunoprecipitation/20218>