

## Active Recombinant Human PSCA protein, His-Avi-tagged, Biotinylated

**Cat. No.** PSCA-0630H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant Human PSCA protein(Leu12-Ser86), fused with His and Avi tag, was expressed in HEK293.                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 12-86 a.a.                                                                                                                                                                                                                               |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                                                               |
| <b>Bio-activity</b>     | 2e5 of anti-PSCA CAR-293 cells were stained with 100 µL of 3 µg/mL of Biotinylated Human PSCA, His,Avitag and negative control protein respectively, washed and then followed by PE-SA antibody and analyzed with FACS.                  |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 12.1 kDa. The protein migrates as 20-30 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Proteinlength</b>    | Leu12-Ser86                                                                                                                                                                                                                              |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                               |

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|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | >90% as determined by SDS-PAGE.>90% as determined by SEC-MALS.                                                                                                                |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |
| <b>Conjugation</b>    | Biotin                                                                                                                                                                        |

## GENE INFORMATION

|                        |                                                  |
|------------------------|--------------------------------------------------|
| <b>Gene Name</b>       | PSCA prostate stem cell antigen [ Homo sapiens ] |
| <b>Official Symbol</b> | PSCA                                             |
| <b>Synonyms</b>        | PSCA; prostate stem cell antigen; PRO232;        |
| <b>Gene ID</b>         | 8000                                             |
| <b>mRNA Refseq</b>     | NM_005672                                        |
| <b>Protein Refseq</b>  | NP_005663                                        |
| <b>MIM</b>             | 602470                                           |
| <b>UniProt ID</b>      | O43653                                           |

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