

HUMAN PSCA PROTEIN, HFC TAG**Cat.#:** 11204**Product Name:** Human PSCA Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** PSCA;NQ206;RO232**Target:** PSCA**UNIPROT ID:** O43653**Description:** Recombinant human PSCA protein with C-terminal human Fc**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.**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 34.4 kDa after removal of the signal peptide. The apparent molecular mass of PSCA-hFc is approximately 40–57 kDa due to glycosylation.**Molecular Characterization:** PSCA(Leu12–Ser86) hFc(Glu99–Ala330)**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at –20°C to –80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at –80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

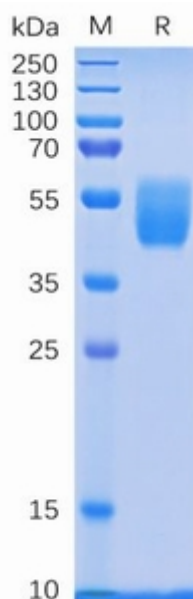


Figure 1. Human PSCA Protein, hFc Tag on SDS-PAGE under reducing condition.