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.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

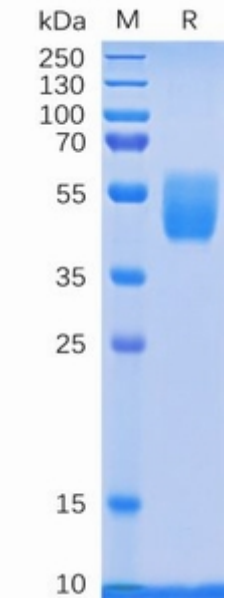

Figure 1. Human PSCA Protein, hFc Tag on SDS-PAGE under reducing condition.