

## PSCA Protein, Human (HEK293, Fc)

Cat. No.:	HY-P78013
Synonyms:	PSCA; UNQ206; PRO232
Species:	Human
Source:	HEK293
Accession:	O43653 (L12-S86)
Gene ID:	8000
Molecular Weight:	40-50 kDa

### PROPERTIES

Biological Activity	Immobilized Human PSCA, hFc Tag at 2 µg/mL (100 µl/Well) on the plate. Dose response curve for Biotinylated Anti-PSCA Ab., hFc Tag with the EC <sub>50</sub> of ≤117.3 ng/mL determined by ELISA.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	The PSCA protein appears to play a role in the regulation of cell proliferation, exhibiting cell-proliferation inhibition activity in vitro. Additionally, PSCA may serve as a modulator of nicotinic acetylcholine receptors (nAChRs) activity, particularly in vitro where it inhibits nicotine-induced signaling, potentially implicating alpha-3:beta-2- or alpha-7-containing nAChRs. This dual functionality suggests PSCA's involvement in cellular processes related to proliferation control and the modulation of nicotinic acetylcholine receptor activity, underscoring its potential significance in cellular physiology and signaling pathways.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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