

PSCA Protein, Mouse (P.pastoris, His)

Cat. No.:	HY-P71775
Synonyms:	Psca; Prostate stem cell antigen
Species:	Mouse
Source:	P. pastoris
Accession:	P57096 (21L-95N)
Gene ID:	72373
Molecular Weight:	Approximately 10.4 kDa

PROPERTIES

AA Sequence	L Q C Y S C T A Q M N N R D C L N V Q N C S L D Q H S C F T S R I R A I G L V T V I S K G C S S Q C E D D S E N Y Y L G K K N I T C C Y S D L C N V N
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
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 ₂ O.
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 emerges as a versatile regulator, potentially involved in the modulation of cell proliferation and acting as a modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro experiments demonstrate its ability to inhibit nicotine-induced signaling, suggesting a potential interaction with alpha-3:beta-2- or alpha-7-containing nAChRs. The dual functionality of PSCA, influencing both cell proliferation and nicotinic acetylcholine receptor activity, underscores its significance in cellular processes and signaling pathways, hinting at its potential role in the intricate balance of cellular homeostasis.
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Caution: Product has not been fully validated for medical applications. For research use only.

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