Recombinant Human prostate stem cell antigen Protein, Fc tagged, Biotinylated

Cat. No. PSCA-03H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human PSCA-Fc is expressed as a 312-amino acid protein consisting of Leu21-Ser95 region (Extracellular Domain) of PSCA (UniProt accession #O43653) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	21-95aa
Description	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.
Tag	C-Fc
Conjugation/Label	Biotin
Molecular Mass	34.8 kDa

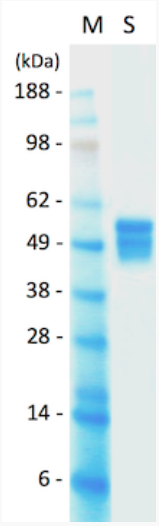
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AA Sequence	LLCYSCKAQVSNEDCLQVENCTQLGEQCWTARIRAVGLLTVISKGCSLNCVDDSQD YYVGKKNITCCDTDLCNASTTENLYFQGSTGTHTCPPCPAPELLGGPSVFLFPPKPK DTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVS VLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKN QVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRW QQGNVFSCSVMHEALHNHYTQKSLSLSPGK
Endotoxin	< 0.1 EU/μg by LAL
Purity	> 95% by SDS-PAGE
Calculated PI	6.02
Calculated Extinction Coefficient (M-1 cm-1, at 280nm)	47870
Storage Buffer	Sterile PBS pH7.4 (carrier and preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule) using the standard procedure.
Concentration	0.5 mg/mL
Conjugation	Biotin

GENE INFORMATION

Gene Name	PSCA prostate stem cell antigen [Homo sapiens (human)]
Official Symbol	PSCA
Synonyms	PSCA; prostate stem cell antigen; PRO232; lncPSCA

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Gene ID	8000
mRNA Refseq	NM_005672
Protein Refseq	NP_005663
MIM	602470
UniProt ID	O43653
SDS-PAGE	

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