

Recombinant Human PSCA protein, His-tagged

Cat. No. PSCA-2003H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PSCA(Leu22~Ser95) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu22~Ser95
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300
Molecular Mass	9.6kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	PSCA prostate stem cell antigen [Homo sapiens]
Official Symbol	PSCA
Synonyms	PSCA; prostate stem cell antigen; PRO232;
Gene ID	8000
mRNA Refseq	NM_005672
Protein Refseq	NP_005663
MIM	602470
UniProt ID	O43653
Chromosome Location	8q24.2

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