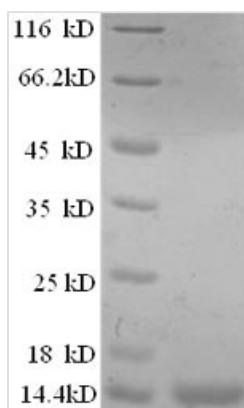




Recombinant Human Prostate stem cell antigen (PSCA), partial

Product Code	CSB-EP018840HU1
Relevance	May be involved in the regulation of cell proliferation. Has a cell-proliferation inhibition activity in vitro.
Abbreviation	Recombinant Human PSCA protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O43653
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	LCYSCKAQVSNEDCLQVENCTQLGEQCWTARIRAVGLLTVISKGCSLNCVDD SQDYVVGKKNITCCDLDLCNAS
Research Area	Others
Source	E.coli
Target Names	PSCA
Expression Region	13-86a
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged and C-terminal 6xHis-tagged
Mol. Weight	13.4 kDa
Protein Length	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Description

The formation of the recombinant plasmid by incorporating the gene encoding the Human PSCA protein (13-86aa) into a plasmid vector initiates the generation of the recombinant Human PSCA protein. Transforming the recombinant plasmid into e.coli cells and then selecting the positive e.coli cells based on their ability to survive in the presence of a specific antibiotic. The positive e.coli cells are cultured under conditions that stimulate the expression of the gene of interest. The protein is equipped with a N-terminal 6xHis tag and C-terminal 6xHis tag. After expression, affinity purification is employed to isolate and purify the recombinant Human PSCA protein from the cell lysate. Denaturing SDS-PAGE is utilized to resolve the resulting recombinant Human PSCA protein, revealing a purity level exceeding 90%.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.