

## PSMA Human

**Description:** PSMA Human Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 150 amino acids (1-150 a.a.) fused to a GST tag and having a total molecular mass of 43kDa. The PSMA is purified by proprietary chromatographic techniques.

Catalog #: PRPS-747

**Synonyms:** PSMA, Prostate Specific Cancer Antigen, PSM, FGCP, FOLH, GCP2, mGCP, GCPII, NAALAD1, NAALAdase, FOLH1, Glutamate carboxypeptidase 2, Glutamate carboxypeptidase II, Membrane glutamate carboxypeptidase, N-acetylated-alpha-linked acidic dipeptidase I, Pteroy

For research use only.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Formulation:**

PSMA is supplied in 50mM Tris-HCl, pH-7.5, 10mM L-glutathione (reduced).

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

PSMA is a cancer antigen that is widely expressed as a noncovalent homodimer on the surface of prostate cancer cells, rather than on normal cells, therefore it is an interesting target to image prostate tissues when being used with radioactive antibodies. PSMA is expressed on the surface of novel blood vessels that nourish a broad range of other solid tumors. PSMA is a type II membrane protein with folate hydrolase activity produced by prostatic epithelium. PSMA expression is found in extraprostatic tissues, including small bowel and brain.

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