

## Recombinant Human PSMA Protein

Catalog #	Source	Reactivity	Applications
CRP2794	Human cells	Human	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Human PSMA Protein is produced by mammalian expression system and the target gene encoding Lys44-Ala750 is expressed with a 6His tag at the N-terminus.
<b>Form</b>	Liquid in a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, pH5.5.
<b>Gene Symbol</b>	FOLH1
<b>Alternative Names</b>	FOLH; NAALAD1; PSM; PSMA; Glutamate carboxypeptidase 2; Cell growth-inhibiting gene 27 protein; Folate hydrolase 1; Folylpoly-gamma-glutamate carboxypeptidase; FGCP; Glutamate carboxypeptidase II; GCP II; Membrane glutamate carboxypeptidase; mGCP; N-acetylated-alpha-linked acidic dipeptidase I; NAALADase I; Prostate-specific membrane antigen; PSM; PSMA; Pteroylpoly-gamma-glutamate carboxypeptidase
<b>Entrez Gene</b>	2346 (Human)
<b>SwissProt</b>	Q04609 (Human)
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Chemical Structure</b>	GSGSHHHHHH KSSNEATNIT PKHNMKAFLD ELKAENIKKF LHNFTQIPHL AGTEQNFQLA KQIQSQWKEF GLDSVELAHY DVLLSYPNKT HPNYISIINE DGNEIFNTSL FEPPPPGYEN VSDIVPPFSA FSPQGMPEGD LVYVNYARTE DFFKLERDMK INCSGKIVIA RYGKVFGRNK VKNAQLAGAK GVILYSDPAD YFAPGVKSYP DGWNLPGGGV QRGNILNLNG AGDPLTPGYP ANEYAYRRGI AEA VGLPSIP VHPIGYDDAQ KLEKMGGS A PPDSSWRGSL KVPYNVGPGF TGNFSTQKVK MHIHSTNEVT RIYNVIGTLR GAVEPDRYVI LGGHRDSWVF GGIDPQSGAA VVHEIVRSFG TLKKEGWRPR RTILFASWDA EEFGLLGSTE WAEENSRLQ ERGVAYINAD

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

SSIEGNYTLR VDCTPLMYSL VHNLTKEKLS PDEGFEGKSL YESWTKKSPS PEFSGMPRIS  
KLGSGNDFEV FFQRLGIASG RARYTKNWET NKFSGYPLYH SVYETYELVE KFYDPMFKYH  
LTVAQVRGGM VFELANSIVL PFDCRDYAVV LRKYADKIYS ISMKHPQEMK TYSVSFDSL  
SAVKNFTEIA SKFSERLQDF DKSNPVLRM MNDQLMFLER AFIDPLGLPD RPFYRHVIYA  
PSSHNKYAGE SFPGIYDALF DIESKVDPSK AWGEVKRQIY VAAFTVQAAA ETLSEVA

## Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

## Directions for Use

Please minimize freeze-thaw cycles.

## Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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