Product Name: Recombinant Human PSMA (N-6His)
Catalog #: PHH1966

Summary

Name	PSMA/FOLH1/GCP2/FGCP/GCPII/mGCP/NAALADase I
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Glutamate Carboxypeptidase 2 is produced by our Mammalian expression system and the target gene encoding Lys44-Ala750 is expressed with a 6His tag at the N-terminus.
Accession #	Q04609
Host	Human Cells
Species	Human
Predicted Molecular Mass	80.6 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM MES, 150mM NaCl, 5% Trehalose, pH 5.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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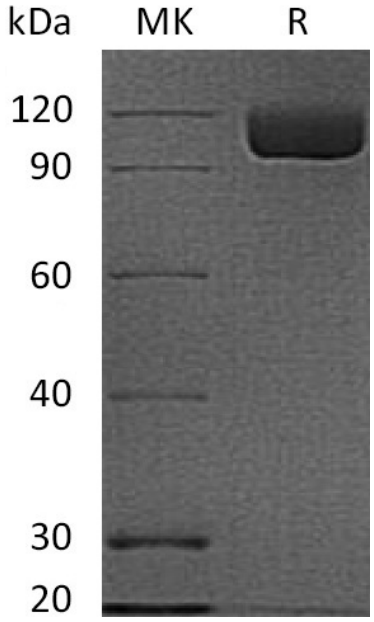

Alternative Names

Glutamate carboxypeptidase 2; FGCP; GCPII; mGCP; NAALADase I; PSMA; Cell growth-inhibiting gene 27 protein; Folate hydrolase 1

Background

Glutamate carboxypeptidase 2, also known as FOLH1, PSMA, belongs to the M28B subfamily and the peptidase M28 family. It is highly expressed in prostate epithelium and can be detected in urinary bladder, kidney, testis, ovary, fallopian tube, breast, adrenal gland, liver, esophagus, stomach, small intestine, colon and brain (at protein level). PSMA is used as a diagnostic and prognostic indicator of prostate cancer, and as a possible marker for various neurological disorders such as schizophrenia, Alzheimer disease and Huntington disease. It has both folate hydrolase and N-acetylated-alpha-linked-acidic dipeptidase (NAALADase) activity and has a preference for tri-alpha-glutamate peptides. PSMA involves in prostate tumor progression and also exhibits a dipeptidyl-peptidase IV type activity. In vitro, PSMA cleaves Gly-Pro-AMC. PSMA is stable at pH greater than 6.5.

Note

For Research Use Only , Not for Diagnostic Use.