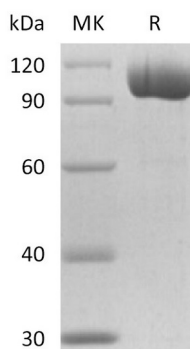


Summary

Name	PSMA/FOLH1/GCP2/FGCP/GCP/II/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 Mouse Glutamate carboxypeptidase 2 is produced by our Mammalian expression system and the target gene encoding Ile44-Ala752 is expressed with a 6His tag at the N-terminus.
Accession #	Q0VDM5
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	80.7 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 8% Trehalose, 4% Mannitol, 50mM NaCl, 0.05% Tween 80, pH7.5.
Shipping	The product is shipped at ambient temperature. 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	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Product Name: Recombinant Mouse PSMA (N-6His)
Catalog #: PHM2208



Background

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.