**产品名称：Recombinant Human PSMA (N-6His)**
**产品货号：PHH1966**

## 概述（Summary）

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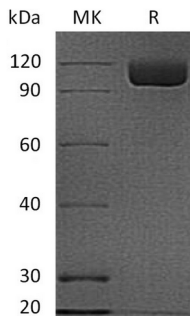
|---|---|
| **英文全称** | PSMA/FOLH1/GCP2/FGCP/GCPII/mGCP/NAALADase I |
| **纯度（Purity）** | Greater than 95% as determined by reducing SDS-PAGE |
| **内毒素（Endotoxin level）** | <1 EU/μg as determined by LAL test. |
| **蛋白构建（Construction）** | Recombinant Human Glutamate Carboxypeptidase 2 is produced by our Mammalian expression system and the target gene encoding Lys44-Ala750 is expressed with a 6His tag at the N-terminus. |
| **Accession #** | Q04609 |
| **表达宿主（Host）** | Human Cells |
| **种属（Species）** | Human |
| **预测分子量（Predicted MW）** | 80.6 KDa |
| **制剂（Form）** | Supplied as a 0.2 μm filtered solution of 20mM MES, 150mM NaCl, 5% Trehalose, pH 5.5. |
| **运输方式（Shipping）** | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below. |
| **稳定性&储存（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. |
| **复溶（Reconstitution）** | |

## 电泳图（SDS-PAGE image）




## 背景（Background）

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|---|---|
| **分子别名（Alternative Names）** | Glutamate carboxypeptidase 2; FGCP; GCPII; mGCP; NAALADase I; PSMA; Cell growth-inhibiting gene 27 protein; Folate hydrolase 1 |
| **背景介绍（References）** | 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. |

## 注意事项（Note）

For research use only .