

Recombinant human Glutamate carboxypeptidase 2 protein, N-His (HEK293)

Catalog Number: bs-43139P

Concentration: >0.5mg/ml

Species: Human

AA Seq: 44-750/750

Predicted MW: 80.6

Tags: C-His

Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Purification: AC

Form: Lyophilized or Liquid

Storage: PBS (pH=7.4).

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: PMSA (FOLH1) is a type II transmembrane glycoprotein belonging to the M28 peptidase family. Three functionally distinct proteins are encoded, including folylpoly-gamma-glutamate carboxypeptidase in the intestine, N-acetylated alpha-linked acidic dipeptidase 1 in the brain, and prostate-specific membrane antigen in the prostate. A mutation in the intestinal form may be associated with impaired intestinal absorption of dietary folates, resulting in low blood folate levels and consequent hyperhomocysteinemia. The form expressed in the brain may be involved in a number of pathological conditions associated with glutamate excitotoxicity. The prostate form is up-regulated in cancerous cells and is used as an effective diagnostic and prognostic indicator of prostate cancer. This gene likely arose from a duplication event of a nearby chromosomal region. Alternative splicing gives rise to multiple transcript variants. Subunit : Homodimer.

VALIDATION IMAGES



The purity of the protein is greater than 85% as determined by reducing SDS-PAGE.