

FOLH1 (Human) Recombinant Protein

Catalog # P7614

Size 50 ug

Specification

Product Description	Human FOLH1 (Q04609, 44 a.a. - 750 a.a.) partial recombinant protein with hFc tag at C-terminus expressed in CHO 3E7 cells.
Sequence	KSSNEATNITPKHNMKAFLDELKAENIKKFLYNFTQIPHLAGTEQNFQLAKQIQSQWKEFGLDSVEL AHYDVLLSYPNKTHPNYISIINEDGNEIFNTSLFEPPPPGYENVSDVPPFSAFSPQGMPEGDLVYV NYARTEDFFKLERDMKINCSGKVIARYGKVFRGNKVKNAQLAGAKGVILYSDPADYFAPGVKSYP DGWNLPGGGVQRGNILNLNGAGDPLTPGYPANEYAYRRGIAEAVGLPSIPVHPIGYYDAQKLEKM GGSAPPDSSWRGSLKVPYNVGPFTGNFSTQKVMMHISTNEVTRIYNVIGTLRGAVEPDRYVILG GHRDSWVFGGIDPQSGAAVVHEIVRSFGTLKKEGWRPRRTILFASWDAEEFGLLGSTEWAEEENS RLLQERGVAYINADSSIEGNYTLRVDCPTLMYSLVHNLTKELKSPDEGFEGKSLYESWTKKSPSPE FSGMPRISKLGSGNDFEVFFQRLGIASGRARYTKNWE TNKFSGYPLYHSVYETYELVEKFYDPMF KYHLTVAQVRGGMVFELANSIVLPFDCRDYAVVLRKYADKIYSISMKHPQEMKTYSVSFDSLFSAV KNFTEIASKFSERLQDFDKSNPMLRMMNDQLMFLERAFIDPLGLPDRPFYRHVIYAPSSHNKYAG ESFPGYDALFDIESKVDPSKAWGEVKRQIVAAFTVQAAAETLSEVA
Host	Mammals
Form	Lyophilized
Preparation Method	Mammalian cell (CHO 3E7) expression system
Purity	> 90% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by gel clotting method)
Storage Buffer	Lyophilized from sterile distilled Water up to 100 ug/mL
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — FOLH1

Entrez GeneID [2346](#)

Protein Accession# [Q04609](#)

Gene Name FOLH1

Gene Alias FGCP, FOLH, GCP2, GCPII, NAALAD1, NAALAdase, PSM, PSMA, mGCP

Gene Description folate hydrolase (prostate-specific membrane antigen) 1

Omim ID [600934](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a type II transmembrane glycoprotein belonging to the M28 peptidase family. The protein acts as a glutamate carboxypeptidase on different alternative substrates, including the nutrient folate and the neuropeptide N-acetyl-L-aspartyl-L-glutamate and is expressed in a number of tissues such as prostate, central and peripheral nervous system and kidney. A mutation in this gene may be associated with impaired intestinal absorption of dietary folates, resulting in low blood folate levels and consequent hyperhomocysteinemia. Expression of this protein in the brain may be involved in a number of pathological conditions associated with glutamate excitotoxicity. In the prostate the protein 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. [provided by RefSeq]

Other Designations

N-acetylated alpha-linked acidic dipeptidase 1|cell growth-inhibiting protein 27|folate hydrolase 1|folypoly-gamma-glutamate carboxypeptidase|glutamate carboxylase II|glutamate carboxypeptidase II|membrane glutamate carboxypeptidase|prostate specific mem

Disease

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