

Glutamate carboxypeptidase 2 (FOLH1) Recombinant Protein | FOLH1 recombinant protein

Recombinant Human Glutamate carboxypeptidase 2 (FOLH1), partial

CATALOG #
AAA113455

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Glutamate carboxypeptidase 2 (FOLH1); Recombinant Human Glutamate carboxypeptidase 2 (FOLH1); partial; FOLH1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	48-750aa; Partial
Sequence	EATNITPKHN MKAFLDELKA ENIKKFLYNF TQIPHLAGTE QNFQLAKQIQ SQWKEFGLDS VELAHYDVLL SYPNKTHPNY ISIINEDGNE IFNTSLFEPP PPGYENVSDI VPPFSAFSPQ GMPEGDLVYV NYARTEDFFK LERDMKINCS GKIVIARYGK VFRGNKVKNA QLAGAKGVIL YSDPADYFAP GVKSYPDGWN LPGGGVQRGN ILNLNGAGDP LTPGYPANAY AYRRGIAEAV GLPSIPVHPI GYYDAQKLE KMGGSAAPPDS SWRGSLKVPY NVGPGFTGNF STQKVKMHIH STNEVTRIYN VIGTLRGAVE PDRYVILGGH RDSWVFGGID PQSGAAVVHE IVRSFGTLKK EGWRPRRTIL FASWDAEEFG LLGSTEWAE NSRLLQERGV AYINADSSIE GNYTLRVDCT PLMYSLVHNL TKELKSPDEG FEGKSLYESW TKKSPSPEFS GMPRISKLG S GNDFEVFFQR LGIASGRARY TKNWETNKFS GYPLYHSVYE TYELVEKFYD PMFKYHLTVA QVRGGMVFEL ANSIVLPFDC RDYAVVLRKY ADKIYSISMK HPQEMKTYSV SFDLSLFAVK NFTEIASKFS ERLQDFDKSN PIVLRMMNDQ LMFLERAFID PLGLPDRPFY RHVIYAPSSH NKYAGESFPG IYDALFDIES KVDP SKAWGE VKRQIYVAAF TVQAAAETLS EVA
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for FOLH1 recombinant protein

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 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62548858
NCBI GeneID	2346
NCBI Accession #	NP_001014986.1
NCBI GenBank Nucleotide #	NM_001014986.2

UniProt Accession #	Q04609; O43748; Q16305; Q541A4; Q8TAY3; Q9NP15; A4UU12; A9CB79; B7Z312; B7Z343; D3DQS5; E9PDX8
Molecular Weight	50,090 Da
NCBI Official Full Name	glutamate carboxypeptidase 2 isoform 2
NCBI Official Synonym Full Names	folate hydrolase 1
NCBI Official Symbol	FOLH1
NCBI Official Synonym Symbols	PSM; FGCP; FOLH; GCP2; PSMA; mGCP; GCPII; NAALAD1; NAALAdase
NCBI Protein Information	glutamate carboxypeptidase 2
UniProt Protein Name	Glutamate carboxypeptidase 2
UniProt Gene Name	FOLH1
UniProt Synonym Gene Names	FOLH; NAALAD1; PSM; PSMA; FGCP; GCPII; mGCP; NAALADase I; PSM; PSMA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/folh1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113455>