



Recombinant Human Glutamate carboxypeptidase 2 (FOLH1), partial

Product Code	CSB-EP008782HU
Relevance	Has both folate hydrolase and N-acetylated-alpha-linked-acidic dipeptidase (NAALADase) activity. Has a preference for tri-alpha-glutamate peptides. In the intestine, required for the uptake of folate. In the brain, modulates excitatory neurotransmission through the hydrolysis of the neuropeptide, N-aceylaspartylglutamate (NAAG), thereby releasing glutamate. Isoform PSM-4 and isoform PSM-5 would appear to be physiologically irrelevant. Involved in prostate tumor progression. Also exhibits a dipeptidyl-peptidase IV type activity. In vitro, cleaves Gly-Pro-AMC.
Abbreviation	Recombinant Human FOLH1 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q04609
Alias	Cell growth-inhibiting gene 27 protein; Folate hydrolase 1; Folylpoly-gamma-glutamate carboxypeptidase ; FGCP; Glutamate carboxypeptidase II ; GCPII; Membrane glutamate carboxypeptidase ; mGCPN-acetylated-alpha-linked acidic dipeptidase I ; NAALADase I; Prostate-specific membrane antigen ; PSM ; PSMAP; teroylpoly-gamma-glutamate carboxypeptidase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	EATNITPKHNMKAFLDELKAENIKKFLYNFTQIPHLAGTEQNFQLAKQIQSQWK EFGLDSVELAHYDVLLSYPNKTHPNYISIINEDGNEIFNTSLFEP PPPGYENVSDI VPPFSAFSPQGMPEGDLVYVNYARTEDFFKLERDMKINCSGKIVIARYGKVFR GNKVKNAQLAGAKGVILYSDPADYFAPGVKSYPDGWNLPGGGVQRGBNINLN GAGDPLTPGYPANEYAYRRGIAEAVGLPSIPVHPIGYDDAQKLLKMGGSAPP DSSWRGSLKVPYVVGPGFTGNFSTQKVKMHIHSTNEVTRIYNVIGTLRGAVEP DRYVILGGHRDSWVFGGIDPQSGAAVVHEIVRSFGTLKKEGWRPRRTILFASW DAEEFGLLGSTEWAEENSRLQERGVAYINADSSIEGNYTLRVDCTPLMYSLV HNLTKELKSPDEGFEGKSLYESWTKKSPSPEFSGMPRISKLGSGNDFEVFFQ RLGIASGRARYTKNWETNKFSGYPLYHSVYETYELVEKFYDPMFKYHLTVAQV RGGMV FELANSIVLPFDCRDYAVVLRKYADKIYSISMKHPQEMKTYSVSFDLSL SAVKNFTEIASKFSERLQDFDKSNPIVLRMMNDQLMFLERAFIDPLGLPDRPFY RHVIYAPSSHNKYAGESFPGIYDALFDIESKVDPSKAWGEVKRQIYVAFTVQA AAETLSEVA
Research Area	Cancer
Source	E.coli

