

Recombinant Human Gamma-Glutamyl Hydrolase (conjugase, foylpolygammaglutamyl hydrolase), His-tagged

Cat. No. GGH-1399H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinanthuman GGHprotein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventionalchromatography techniques.
Species	Human
Source	E.coli
Description	GGH is a homodimericprotein that catalyzes the cleavage of the gamma-glutamyl chain offoylpoly-gamma-glutamyl substrates and is a central enzyme in foyl andantifoyl poly-gamma-glutamate metabolism. GGH may play an important role inthe bioavailability of dietary pteroylpolyglutamates and in the metabolism ofpteroylpolyglutamates and antifolates.
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl.
Molecular Weight	35.9 kDa(315aa), confirmed by MALDI-TOF.
Purity	> 95%by SDS-PAGE
Concentration	0.5mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MRPHGDTAKK PIIGILMQKC RNKVMKNYGR YYIA ASYVKY LESAGARVVPVRLDLTEKDY EILFKSINGI LFPGGSVDLR RSDYAKVAKI F

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YNLSIQSFDDGDYFPVWGT CLGFEELSLL ISGECLLTAT DTVDVAMPLN FTGGQL
 HSRM FQNFPTLELL SLAVEPLTANFHKWSLSVKN FTMNEKLKKF FNVLTNTDGD K
 IEFISTMEG YKYPVYGVQW HPEKAPYEWK NLDGISHAPNAVKTAFYLAEFFVNEAR
 KNNHHFKSESEEE KALIYQFSPI YTGNISSFQQ CYIFD

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

OfficialSymbol

GGH

nullValue_other

Pathways

FluoropyrimidineActivity; Folate biosynthesis

GENE INFORMATION

Gene Name

GGH gamma-glutamyl hydrolase(conjugase, folylpolygammaglutamyl hydrolase) [Homo sapiens]

Synonyms

GGH; gamma-glutamyl hydrolase (conjugase,folylpolygammaglutamyl hydrolase);
 GH; gamma-glutamyl hydrolase; gamma-Glu-Xcarboxypeptidase;
 OTTHUMP00000226541; EC 3.4.19.9; Gamma-glutamyl hydrolase; Conjugase;
 Gamma-Glu-Xcarboxypeptidase; OTTHUMP00000226541; OTTHUMP00000226558

Gene ID

8836

mRNA Refseq

NM_003878

Protein Refseq

NP_003869

MIM

601509

UniProt ID

Q92820

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Chromosome	8q12.3
Location	