

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

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

## SPECIFICATION

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

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YNLSIQSFDDGDYFPVWGT CLGFEELSLL ISGECLLTAT DTVDVAMPLN FTGGQL  
 HSRM FQNFPTLLL SLAVEPLTANFHKWSLSVKN FTMNEKLKKF FNVLTNTDGDG 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	

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