

## Recombinant Human Gamma-glutamyl hydrolase (GGH)

Cat# P0054

Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

### INFORMATION

<b>Product Name</b>	Recombinant Human Gamma-glutamyl hydrolase(GGH)
<b>Cat. No.</b>	P0054
<b>Size</b>	20ug/100ug/1mg
<b>Uniprot</b>	Q92820
<b>Function</b>	Cleaves the polyglutamate sidechains of folate polyglutamates in the vacuole. Is important for polyglutamyl tail length determination before vacuolar exit. Plays a role on folate stability and intracellular folate content. Has endopeptidase activity against 4-amino-10-methylpteroyl penta-, tetra-, tri- and di-gamma-L-glutamate substrates and is responsible for the production of folic acid, also called pteroylglutamic acid (PteGlu) from teroylpolyglutamates.
<b>Species</b>	Human
<b>Target</b>	GGH
<b>Expression Region</b>	25-318
<b>Target Protein Sequence</b>	RPHGDT AKKPIIGILM QKCRNKVMKN YGRYYIAASY VKYLESAGAR VVPVRLDLTE KDYEILFKSI NGILFPGGSV DLRRSDYAKV AKIFYNLSIQ SFDDGDYFPV WGTCLGFEEL SLLISGECLL TATDTVDVAM PLNFTGGQLH SRMFQNFPT LLLSLAVEPL TANFHKWSLS VKNFTMNEKL KKFFNVLTTN TDGKIEFIST MEGYKYPVYG VQWHPEKAPY EWKNLDGISH APNAVKTAFY LAEFFVNEAR KNNHHFKSES EEEKALIYQF SPIYTGNISS FQQCYIFD
<b>Source</b>	E.coli
<b>Physical Appearance</b>	Lyophilized powder
<b>Buffer before Lyophilization</b>	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C /-80°C . Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Purity</b>	>85% (SDS-PAGE)

<b>Storage instruction</b>	Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Alias</b>	Conjugase; folylpolygammaglutamyl hydrolase; gamma glutamyl hydrolase; Gamma-Glu-X carboxypeptidase; Gamma-glutamyl hydrolase (conjugase; folylpolygammaglutamyl hydrolase); Gamma-glutamyl hydrolase; GGH; GGH_HUMAN; gH

### **PRODUCT USE LIMITATION**

These products are intended for research use only.