

Recombinant Human GGH 293 Cell Lysate

Cat. No. GGH-5948HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for gamma-glutamyl hydrolase (conjugase, folylpolygammaglutamyl hydrolase) (GGH) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

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

Official Symbol

GGH

Synonyms

GGH; gamma-glutamyl hydrolase (conjugase, foylpolypolygammaglutamyl hydrolase); gamma-glutamyl hydrolase; gamma-Glu-X carboxypeptidase; GH;

Gene ID

8836

mRNA Refseq

NM_003878

Protein Refseq

NP_003869

MIM

601509

UniProt ID

Q92820

Chromosome Location

8q12.3

Pathway

Fluoropyrimidine Activity, organism-specific biosystem; Folate biosynthesis, organism-specific biosystem; Folate biosynthesis, conserved biosystem; glutamate removal from folates, organism-specific biosystem; glutathione-mediated detoxification, organism-specific biosystem;

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Function

exopeptidase activity; gamma-glutamyl-peptidase activity; hydrolase activity; omega peptidase activity;

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