

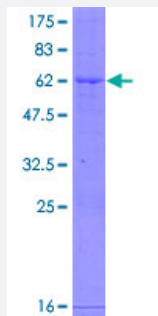
Full-Length

GGH (Human) Recombinant Protein (P01)

Catalog # H00008836-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GGH full-length ORF (NP_003869.1, 1 a.a. - 318 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASPGCLLCVLGLLCGAASLELSRPHGDTAKKPIIGILMQKCRNKVMKNYGRYYAASYVKYLESA
GARVVPVRLDLTEKDYEILFKSINGILFPGGSVDLRRSDYAKVAKIFYNLSIQSFDDGDYFPVWGTC
LGFEELSLLISGECLLTATD TVDVAMPLNFTGGQLHSRMFQNFPTTELLSLAVEPLTANFHKWSLS
VKNFTMNEKLKKFFNVLTTNTDGKIEFISTMEGYKYPVYG VQWHPEKAPYEWKNLDGISHAPNAV
KTAFYLAEFFVNEARKNNHHFKSESEEEKALIYQFSPYTGNISSFQQCYFD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

62.4

Interspecies Antigen Sequence

Mouse (69); Rat (67)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GGH

Entrez GeneID[8836](#)**GeneBank Accession#**[NM_003878.1](#)**Protein Accession#**[NP_003869.1](#)**Gene Name**

GGH

Gene Alias

GH

Gene Description

gamma-glutamyl hydrolase (conjugase, folylpolygammaglutamyl hydrolase)

Omim ID[601509](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene catalyzes the hydrolysis of folypoly-gamma-glutamates and antifolypoly-gamma-glutamates by the removal of gamma-linked polyglutamates and glutamate. [provided by RefSeq]

Other Designations

conjugase|folylpolygammaglutamyl hydrolase|gamma-glutamyl hydrolase

Publication Reference

- [Targeting folate receptor beta on monocytes/macrophages renders rapid inflammation resolution independent of root causes.](#)

Yingjuan J Lu, Leroy W Wheeler, Haiyan Chu, Paul J Kleindl, Michael Pugh, Fei You, Satish Rao, Gabriela Garcia, Henry Y Wu, Andre P da Cunha, Richard Johnson, Elaine Westrick, Vicky Cross, Alex Lloyd, Christina Dirksen, Patrick J Klein, Iontcho R Vlahov, Philip S Low, Christopher P Leamon.

Cell Reports. Medicine 2021 Oct; 2(10):100422.

Application: Quan, Dog, Human, Rat, Dog liver, Human liver, Rat liver

Pathway

- [Folate biosynthesis](#)

Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Carcinoma](#)
- [Chromosome Aberrations](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Crohn Disease](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Liver Diseases](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)

- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Spinal Dysraphism](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Werner syndrome](#)