

Recombinant human GGH protein

Catalog Number: ATGP1399

PRODUCT INFORMATION

Expression system

E.coli

Domain

25-318aa

UniProt No.

Q92820

NCBI Accession No.

NP_003869.1

Alternative Names

Gamma-glutamyl hydrolase, GH

PRODUCT SPECIFICATION

Molecular Weight

35.9 kDa (315aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Gamma-glutamyl hydrolase, also known as GGH, is a homodimeric protein that catalyzes the cleavage of the gamma-glutamyl chain of folylpoly-gamma-glutamyl substrates and is a central enzyme in folyl and antifolyl poly-gamma-glutamate metabolism. GGH may play an important role in the bioavailability of dietary pteroylpolyglutamates and in the metabolism of pteroylpolyglutamates and antifolates. Recombinant human GGH protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH M>RPHGDTAKK PIIGILMQKC RNKVMKNYGR YYIAASYVKY LESAGARVVP
VRLDLTEKDY EILFKSINGI LFPGGSDVLR RSDYAKVAKI FYNLSIQSFD DGDYFPVWGT CLGFEELSLI ISGECLLTAT
DTVDVAMPLN FTGGQLHSRM FQNFPTLLL SLAVEPLTAN FHKWSLSVKN FTMNEKLKFF FNVLTNTDGD KIEFISTMEG
YKYPVYGVQW HPEKAPYEWK NLDGISHAPN AVKTAFYLAE FFVNEARKNN HHFKSESEEE KALIYQFSPI YTGNISSFQQ
CYIFD

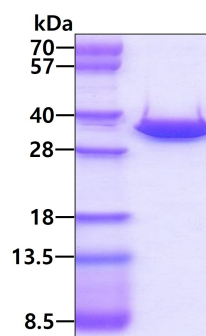
General References

Rhee M S., et al. (1998) Mol Pharmacol. 53:1040-1046.

Galivan J., et al. (1999) Semin Oncol. 26:33-37.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.