

AR50224PU-S

Human Gamma-glutamyl hydrolase / GGH (25-318, His-tag) - Purified

Alternate names: Conjugase, GH, Gamma-Glu-X carboxypeptidase

Quantity: 0.1 mg

Concentration: 0.5 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: [Q92820](#)

NCBI: [NP_003869](#)

GeneID: [8836](#)

Species: Human

Source: E. coli

Format: **State:** Liquid purified protein
Purity: >95% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Description: Recombinant human GGH protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

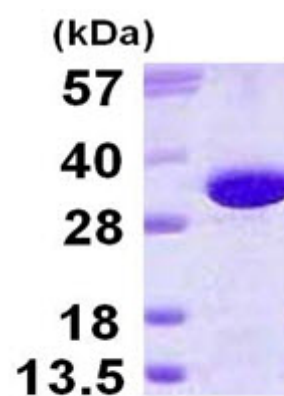
MGSSHHHHH SSGLVPRGSH MRPHGDTAKK PIIGILMQKC RNKVMKNYGR YYIAASYVKY
LESAGARVVP VRLDLTEKDY EILFKSINGI LFPGGSVDLR RSDYAKVAKI FYNLSIQSFD
DGDYFPVWGT CLGFEELSLI ISGECLLTAT DTVDVAMPLN FTGGQLHSRM FQNFPTELLL
SLAVEPLTAN FHKWSLSVKN FTMNEKLKKF FNVLTNTDGT KIEFISTMEG YKYPVYGVQW
HPEKAPYEWK NLDGISHAPN AVKTAFLYLA FVNEARKNN HHFKSESEEE KALIYQFSPI
YTGNISSFQQ CYIFD

Molecular weight: 35.9 kDa (315aa) confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: Rhee M S., et al. (1998) Mol Pharmacol. 53:1040-1046. Galivan J., et al. (1999) Semin Oncol. 26:33-37.

Pictures:



15% SDS-PAGE (3ug)