

GGH, 25-318aa, Human, His tag, E.coli

Cat.NO.: TP02236

3th Edition

Synonyms:Gamma-glutamyl hydrolase, GH.

Description:Gamma-glutamyl hydrolase, also known as GGH, is a homodimeric protein that catalyzes the cleavage of the gamma-glutamyl chain of folypoly-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.

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

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

Sequences:

MGSSHHHHHHSSGLVPRGSHMRPHGDTAKKPIIGILMQKCRNKVMKNYGRYYIAASYVKYLESAGARVVPVRLDL
TEKDYEILFKSINGILFPGGSVDLRRSDYAKVAKIFYNLSIQSFDDGDYFPVWGTCLGFEELSLLISGECLLTATDTVD
VAMPLNFTGGQLHSRMFQNFPTLLLLSLAVEPLTANFHKWLSLVKNFTMNEKLKKFFNVLTNTDGGKIEFISTMEGY
KYPVYGVQWHPEKAPYEWKNLDGISHAPNAVKTAFYLAEFFVNEARKNNHHFKSESEEEKALIYQFSPIYTGNISF
QQCYIFD

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.