

GGH Human

Description:GGH Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 315 amino acids (25-318) and having a molecular mass of 35.9kDa.GGH is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:ENPS-249

For research use only.

Synonyms:Gamma-glutamyl hydrolase (conjugase, folylpolyglutamyglutamyl hydrolase), Gamma-Glu-X carboxypeptidase, gamma-glutamyl hydrolase, Conjugase, GH, EC 3.4.19.9.

Source:E.coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MRPHGDTAKK PIIGILMQKC
RNKVMKNYGR YYIAASYVKY LESAGARVVP VRLDLTEKDY EILFKSINGI LPPGGSVDLR
RSDYAKVAKI FYNLSIQSFD DGDYFPVWGT CLGFEELSLL ISGECLLTAT DTVDVAMPLN
FTGGQLHSRM FQNFPTELLL SLAVEPLTAN FHKWSLSVKN FTMNEKLKKF FNVLTNTDGT
KIEFISTMEG YK

Purity:Greater than 95% as determined by SDS-PAGE.

Formulation:

The GGH solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

GGH is a homodimeric protein which catalyzes the cleavage of the gamma-glutamyl chain of folylpoly-gamma-glutamyl substrates. GGH is a vital enzyme in folyl and antifolyl poly-gamma-glutamate metabolism and it has a significant part in the bioavailability of dietary pteroylpolyglutamates and in the metabolism of antifolates and pteroylpolyglutamates.

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