
Product Data Sheet

Product Name: GGH Human
 Cat. No.: GP21674
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Gamma-glutamyl hydrolase (conjugase; foylpolypolygammaglutamyl hydrolase); Gamma-Glu-X carboxypeptidase; gamma-glutamyl hydrolase; Conjugase; GH; EC 3.4.19.9.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MRPHGDTAKK PIIGILMQKC RNKVMKNYGR YYIAASYVKY LESAGARVVP VRLDLTEKDY EILFKSINGI LPPGGSDVLR RSDYAKVAKI FYNLSIQSFD DGDYFPVWGT CLGFEELSLL ISGECLLTAT DTVDVAMPLN FTGGQLHSRM FQNFPTLLLL SLAVEPLTAN FHKWLSLVKN FTMNEKLLKF FNVLTNTNDG KIEFISTMEG YKYPVYGVQW HPEKAPYEWK NLDGISHAPN AVKTAFYLAE FVNEARKNN HHFKSESEEE KALIYQFSPI YTGNISSFQQ CYIFD		
Formulation	The GGH solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol.		

Introduction

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

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

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