

Native Bovine Gamma-Glutamyl Transferase

Cat. No. NATE-0790

Lot. No. (See product label)

Introduction

Description

γ -glutamyl transferase is an enzyme that transfers gamma-glutamyl functional groups. It is found in many tissues, the most notable one being the liver, and has significance in medicine as a diagnostic marker. GGT catalyzes the transfer of the gamma-glutamyl moiety of glutathione to an acceptor that may be an amino acid, a peptide or water (forming glutamate). GGT plays a key role in the gamma-glutamyl cycle, a pathway for the synthesis and degradation of glutathione and drug and xenobiotic detoxification. Other lines of evidence indicate that GGT can also exert a prooxidant role, with regulatory effects at various levels in cellular signal transduction and cellular pathophysiology.

Synonyms

EC 2.3.2.2; glutamyl transpeptidase; α -glutamyl transpeptidase; γ -glutamyl peptidyltransferase; γ -glutamyl transpeptidase (ambiguous); γ -GPT; γ -GT; γ -GTP; L- γ -glutamyl transpeptidase; L- γ -glutamyltransferase; L-glutamyltransferase; GGT (ambiguous); γ -glutamyltranspeptidase (ambiguous); γ -glutamyltransferase; 9046-27-9; GGTP

Product Information

Species	Bovine
Source	Bovine Kidney
Appearance	Tan Powder
Form	Lyophilized
EC Number	EC 2.3.2.2
CAS No.	9046-27-9
Purity	Purified
Activity	30 U/mg protein
Contaminants	ALP: 0.2% (Dimension Clinical Chemistry System)CPK: 1%LDH: 1%SGOT/AST: 1%SGPT/ALT: 0.01%Ammonia: 0.1 micromole/mg
Specificity	> 30 U/mg protein
Unit Definition	One unit will catalyze the transfer of one micromole of the glutamyl moiety from gamma-glutamyl-3-carboxy-4-nitranilide to glycylglycine per minute at 37°C.

Storage and Shipping Information

Storage	-20°C
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