

Gamma-Glutamyl Transpeptidase Active Protein

Gamma-Glutamyl Transpeptidase protein (Bovine)

CATALOG #
AAA224498

HOST
Bovine

PRODUCT SYNONYMS

Gamma-Glutamyl Transpeptidase; Gamma-Glutamyl Transpeptidase protein (Bovine); GGT protein; Y-glutamyltransferase protein; gamma-GT protein; Gamma-glutamyl transpeptidase protein; GGTP protein; Gamma-Glutamyl Transpeptidase active protein

PRODUCT SPECIFICATIONS

Host	Bovine
Form/Format	Purified and lyophilized from Tris Acetate, pH 7.0. Reconstitute at $\geq 1\text{mg/ml}$ in Tris Buffered Saline, pH 8.0 with 1% BSA.
Concentration	1 KU lyophilized; 0.47mg protein/mg solid by Coomassie (varies by lot)
Source	Bovine Kidney
Protein Type	Native
Biological Significance	Gamma-glutamyltransferase 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 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.
Bioactivity	> 12 units/mg at 37 degree C
Contaminants	ALP: <0.2% CPK: <0.1% LDH: <1.0% SGPT/ALT: <0.01% Ammonia: <0.1uM/mg
Specific Activity	≥ 30 Units/mg protein
Unit definition	One unit will catalyse the transfer of one micromole of the glutamly moiety from gamma-glutamy-3-carboxy-4-nitrilide to glycylglycine per minute at 37°C.
Preparation and Storage	Upon receipt store at -20°C . Aliquot and freeze at -20°C after reconstitution.

ADDITIONAL INFORMATION

Related Product Information for Gamma-Glutamyl Transpeptidase active protein	Purified native Bovine Gamma-Glutamyl Transpeptidase protein
Product Categories/Family for Gamma-Glutamyl Transpeptidase active protein	Proteases ; Inhibitors ; & Enzymes ; Native Protein

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.