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Recombinant human GGT5 heavy chain protein, N-GST & C-His

Catalog Number:	bs-42501P
Concentration:	>1mg/ml
Species:	Human
AA Seq:	301-387/586
Predicted MW:	37.9
Tags:	N-GST & C-His
Endotoxin:	Not analyzed
Purity:	>90% as determined by SDS-PAGE
Purification:	AC
Form:	Liquid
Storage:	20mM Tris-Hcl (pH=9.0) with 8M Urea and 75mM NaCL Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.
Background:	g-glutamyltranspeptidase (GGT) acts as a glutathionase and catalyzes the transfer of the glutamyl moiety of Glutathione to a variety of amino acids and dipeptide acceptors. This enzyme is located on the outer surface of the cell membrane and is widely distributed in mammalian tissues involved in absorption and secretion. In humans, hepatic GGT activity is elevated in some liver diseases. GGT1 is released into the bloodstream after liver damage and an elevated level of the enzyme may be a useful early sign of hepatocellular carcinoma. GGT5 converts Leukotriene C4 to Leukotriene D4; it does not, however, convert synthetic substrates that are commonly used to assay GGT. In human serum and tissues there is a marked heterogeneity in GGT, but this heterogeneity can be attributed to different glycosylation of the same peptide rather than to the products of different genes.

VALIDATION IMAGES

The purity of the protein is greater than 80% as determined by reducing SDS-PAGE.