

Native Human Liver Gamma Glutamyl Transpeptidase

Cat. No. GGT1-8131H **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | Human Liver Gamma Glutamyl Transpeptidase was purified from Human Liver. |
| Species | Human |
| Source | Human Liver |
| Description | The enzyme encoded by this gene catalyzes the transfer of the glutamyl moiety of glutathione to a variety of amino acids and dipeptide acceptors. The enzyme is composed of a heavy chain and a light chain, which are derived from a single precursor protein, and is present in tissues involved in absorption and secretion. This enzyme is a member of the gamma-glutamyltransferase protein family, of which many members have not yet been fully characterized and some of which may represent pseudogenes. This gene is classified as type I gamma-glutamyltransferase. Multiple alternatively spliced variants, encoding the same protein, have been identified. |
| Form | Lyophilized from 50 mM tris chloride, 1 mM magnesium chloride, 0.2 mM zinc chloride |
| Stability | 2 years |
| Storage | -20 °C |

GENE INFORMATION

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| Gene Name | GGT1 gamma-glutamyltransferase 1 [Homo sapiens] |
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| Official Symbol | GGT1 |
| Synonyms | GGT1; gamma-glutamyltransferase 1; GGT; gamma-glutamyltranspeptidase 1; CD224; D22S672; D22S732; glutamyl transpeptidase; glutathione hydrolase 1; gamma-glutamyl transpeptidase; GTG; GGT 1; MGC96892; MGC96904; MGC96963; |
| Gene ID | 2678 |
| mRNA Refseq | NM_001032364 |
| Protein Refseq | NP_001027536 |
| MIM | 612346 |
| UniProt ID | P19440 |
| Chromosome Location | 22q11.23 |
| Pathway | Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Biological oxidations, organism-specific biosystem; Cyanoamino acid metabolism, organism-specific biosystem; Cyanoamino acid metabolism, conserved biosystem; Eicosanoid Synthesis, organism-specific biosystem; Glutathione conjugation, organism-specific biosystem; |
| Function | gamma-glutamyltransferase activity; gamma-glutamyltransferase activity; hydrolase activity; protein binding; transferase activity, transferring acyl groups; |

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