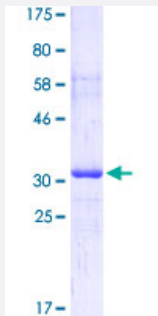


GGT1 (Human) Recombinant Protein (Q01)

Catalog # H00002678-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GGT1 partial ORF (NP_005256, 381 a.a. - 470 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	TAHLSVVAEDGSAVSATSTINLYFGSKVRSPVSGILFNNEMDDFSSPSITNEFGVPPSPANFIQPG KQPLSSMCPTIMVGQDGQVRMVVG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (80); Rat (83)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GGT1

Entrez GeneID	2678
GeneBank Accession#	NM_005265
Protein Accession#	NP_005256
Gene Name	GGT1
Gene Alias	CD224, D22S672, D22S732, GGT, GTG, MGC96892, MGC96904, MGC96963
Gene Description	gamma-glutamyltransferase 1
Omim ID	231950
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000028921 OTTHUMP00000159078 gamma-glutamyl transpeptidase glutamyl transpeptidase

Pathway

- [Arachidonic acid metabolism](#)
- [Cyanoamino acid metabolism](#)

- [Glutathione metabolism](#)
- [Metabolic pathways](#)
- [Selenoamino acid metabolism](#)
- [Taurine and hypotaurine metabolism](#)

Disease

- [Alzheimer disease](#)
- [Arsenic Poisoning](#)
- [Cognition](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Fatty Liver](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Pancreatic Neoplasms](#)
- [Sleep Apnea](#)