

Proteoliposomes

Full-Length

GGT1 (Human) Recombinant Protein

Catalog # H00002678-G01

Size 10 ug

Specification

Product Description

Human GGT1 full-length ORF (NP_005256.2) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MKKKLVLGLLAVVLVLVVGCLWLPSASKEPDNHVYTRAAVAADAKQCSKIGRDALRDGGS
VDAAIAALLCVGLMNAHSMGIGGLFLTYNSTTRKAEVINAREVAPRLAFATMFNSSEQSQKGGL
SVAVPGEIRGYELAHQRHGRLPWARLFQPSIQLARQGFPVGKGLAAALENKRTVIEQQPVLCV
CRDRKVLREGERLTLPQLADTYETLAIEGAQAFYNGSLTAQVKDIQAAGGIVTAEDLNNYRAELIEH
PLNISLGDVVLYMPSAPLSGPVLALILNILKGYNFSRESVESPEQKGLTYHRVEAFRFAYAKRTLLG
DPKFVDVTEVVRNMTSEFFAAQLRAQISDDTTHPISYYKPEFYTPDDGGTAHLSVVAEDGSAVSA
TSTINLYFGSKVRSPVSGILFNNEMDDFSSPSITNEFGVPPSPANFIQPGKQPLSSMCPTIMVGQD
GQVRMVVGAAGGTQITTATALAIYNLWFGYDVKRAVEEPRLHNQLLPNVTTVERNIDQAVTAALET
RHHHTQIASTFIAVVQAMVRTAGGWAAASDSRKGGEFAGY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

61.4

Interspecies Antigen Sequence

Mouse (79); Rat (79)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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

- Antibody Production

Gene Info — GGT1

Entrez GeneID	2678
GeneBank Accession#	NM_005265.2
Protein Accession#	NP_005256.2
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](#)