

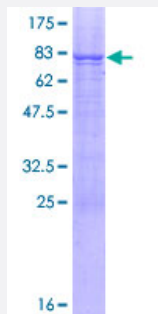
Full-Length

GGT6 (Human) Recombinant Protein (P01)

Catalog # H00124975-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human GGT6 full-length ORF (AAH63111.1, 1 a.a. - 493 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MERAEEPVVYQKLLPWEPSLESEEEVEEEEETSEALVLNPRRHQDSSRNKAGGLPGTWVRVAA
 LLLAVGCSLAVRQLQNQGRSTGSLGSVAPPPGGHSHGPGVYHHGAIISPAGRELLVAGGNVVD
 AGVGAALCLAVVHPHATGLGAMFWGLFHDSSSGNSTALTSGPAQTLAPGLGLPAALPTLHLLHA
 RFGRLPWPRLLVGPTTLAQEGFLVDTPALARALVARGTEGLCPLLCHADGTPLGAGARATNPQLA
 AVLRSAAALAPTSIDLADGALLSLLAGDLGVEVPSAVPRPTLEPAEQLPVPQGILFTTPSPSAGPEL
 LALLEAALRSGAPIPDPCPPFLQTAVSPESSALAAVDSSGSVLLLTSSLNCSFGSAHLSPSTGVL
 LSNLVAKSTTSAWACPLILRGSLLDDTEADVLGLVASGTPDVARAMTHLLRHLAARPPTQAQHQH
 QGQQEPTHEPSTCGQGTLQVAAHTEHAHVSSVPHACCPFQGF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

76.9

Interspecies Antigen Sequence

Mouse (68); Rat (67)

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 — GGT6

Entrez GeneID	124975
GeneBank Accession#	BC063111.1
Protein Accession#	AAH63111.1
Gene Name	GGT6
Gene Alias	FLJ25990, FLJ90165
Gene Description	gamma-glutamyltransferase 6
Gene Ontology	Hyperlink
Gene Summary	GGT6 belongs to the gamma-glutamyltransferase (GGT; EC 2.3.2.2) gene family. GGT is a membrane-bound extracellular enzyme that cleaves gamma-glutamyl peptide bonds in glutathione and other peptides and transfers the gamma-glutamyl moiety to acceptors. GGT is also key to glutathione homeostasis because it provides substrates for glutathione synthesis (Heisterkamp et al., 2008 [PubMed 18357469]).[supplied by OMIM]
Other Designations	gamma-glutamyltransferase 6 homolog

Pathway

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