

Recombinant Human GGT1 Protein, GST-tagged

Cat. No. GGT1-4876H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GGT1 full-length ORF (NP_005256.2, 1 a.a. - 569 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<p>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.</p> <p>[provided by RefSeq]</p>
Molecular Mass	87.8 kDa
AA Sequence	<p>MKKKLVVLGLLAVVLVIVGLCLWLPSASKEPDNHVYTRAAVAADAKQCSKIGRDA LRDGGSADVDAIAALLCVGLMNAHSMGIGGGLFLTIYNSTTRKAEVINAREVAPRLAF ATMFNSSEQSQKGGLSVAVPGEIRGYELAHQRHGRLPWARLFQPSIQLARQGFV GKGLAAALENKRTVIEQQPVLCEVFCRDRKVLREGERLTLPQLADTYETLAIEGAQA FYNGSLTAQIVKDIQAAGGIVTAEDLNRYRAELIEHPLNISLGDVVLYMPSAPLSGPVL</p>

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ALILNILKGYNFSRESVESPEQKGLTYHRIVEAFRFAYAKRLLGDPKFVDVTEVVRN
 MTSEFFAAQLRAQISDDTTHPISYYKPEFYTPDDGGTAHLSVVAEDGSAVSATSTINL
 YFGSKVRSPVSGILFNNEMDDFSSPSITNEFGVPPSPANFIQPGKQPLSSMCPTIMV
 GQDGQVRMVVGAAGGTQITTATALAIYNLWFGYDVKRAVEEPRLHNQLLPNVTTVE
 RNIDQAVTAALETRHHHTQIASTFIAVVQAIVRTAGGWAAASDSRKGGEPEGY

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

Notes
 Best use within three months from the date of receipt of this protein.

Storage
 Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer
 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [GGT1 gamma-glutamyltransferase 1 \[Homo sapiens \]](#)

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](#)

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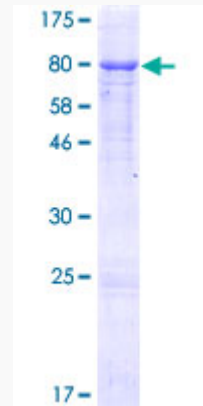
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Protein Refseq NP_001027536

MIM 612346

UniProt ID P19440

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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