

Recombinant Human GGT5 protein, His & T7-tagged

Cat. No. GGT5-1145H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GGT5 aa. (Thr388~Tyr586 (Accession # P36269) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr388~Tyr586
Description	This gene is a member of the gamma-glutamyl transpeptidase gene family, and some reports indicate that it is capable of cleaving the gamma-glutamyl moiety of glutathione. The protein encoded by this gene is synthesized as a single, catalytically-inactive polypeptide, that is processed post-transcriptionally to form a heavy and light subunit, with the catalytic activity contained within the small subunit. The encoded enzyme is able to convert leukotriene C4 to leukotriene D4, but appears to have distinct substrate specificity compared to gamma-glutamyl transpeptidase. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.5kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.7.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	GGT5 gamma-glutamyltransferase 5 [Homo sapiens (human)]
Official Symbol	GGT5
Synonyms	GGT5; gamma-glutamyltransferase 5; GGL; GGT 5; GGTLA1; GGT-REL; gamma-glutamyl cleaving enzyme; gamma-glutamyl transpeptidase-related enzyme; gamma-glutamyl transpeptidase-related protein; gamma-glutamyltransferase-like activity 1; gamma-glutamyltranspeptidase 5; glutathione hydrolase 5; leukotriene-C4 hydrolase
Gene ID	2687

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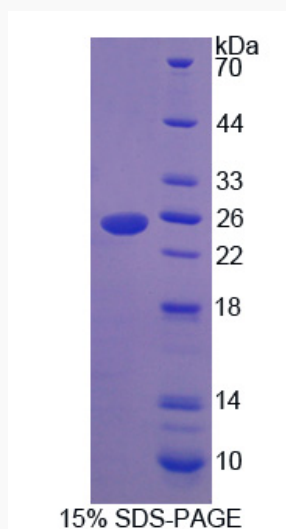
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mRNA Refseq [NM_001099781.2](#)

Protein Refseq [NP_001093251.1](#)

UniProt ID [P36269](#)

SDS-PAGE



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