

Recombinant Full Length Human GGT5 Protein, GST-tagged

Cat. No. GGT5-5243HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GGTLA1 full-length ORF (AAH73999.1, 1 a.a. - 587 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	587 amino acids
Description	This gene is a member of a gene family that encodes gamma-glutamyl transpeptidase enzymes. This enzyme consists of a heavy and a light chain, and is able to hydrolyze the gamma-glutamyl moiety of glutathione. It converts leukotriene C4 to leukotriene D4, however, it doesnt convert synthetic substrates that are commonly used to assay gamma-glutamyl transpeptidase. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Molecular Mass	88.7 kDa
AA Sequence	MARGYGATVSLVLLGLGLALAVIVLAVVLSRHQAPCGPQAFAHAAVAADSKVCSDIG RAILQQQGSPVDATIAALVCTSVVNPQSMGLGGGVIFTIYNVTTGKVEVINARETVPA SHAPSLLDQCAQALPLGTGAQWIGVPGELRGYAEAHRRHGRLPWAQLFQPTIALLR GGHVVPVLSRFLHNSILRPSLQASTLRQLFFNGTEPLRPQDPLPWPALATTLETVA TEGVEVFYTGRLGQMLVEDIAKEGSQTLQLDLAKFQPEVVDALVPLGDYTLYSPPP PAGGAILSFILNVLRGFNFSTESMARPEGRVNVYHHLVETLKFAGQQRWRLGDPRS HPKLQNASRDLLGETLAQLIRQQIDGRGDHQLSHYSLAEAWGHGTGTSHVSVLGED

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GSAVAATSTINTPFGAMVYSPRTGIILNNELLDLCERCPRGSGTTPSPAVSGDRVGG
 APGRCWPPVPGERSPSSMVPSILINKAQGSKLVIGGAGGELIISAVAQAIMSKLWLGF
 DLRAAIAAPILHVNSKGCVEYEPNFSQEVQRGLQDRGQNQTQRPFFLNVVQAVSQE
 GACVYAVSDLRKSGEAAGY

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
[GGT5 gamma-glutamyltransferase 5 \[Homo sapiens \]](#)

Official Symbol
[GGT5](#)

Synonyms
 GGT5; gamma-glutamyltransferase 5; gamma glutamyltransferase like activity 1, GGTLA1; GGT REL; GGT 5; glutathione hydrolase 5; gamma-glutamyl cleaving enzyme; gamma-glutamyltranspeptidase 5; gamma-glutamyltransferase-like activity 1; gamma-glutamyl transpeptidase-related enzyme; gamma-glutamyl transpeptidase-related protein; GGTLA1; GGT-REL; FLJ92733; DKFZp566O011;

Gene ID
[2687](#)

mRNA Refseq
[NM_001099781](#)

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Protein Refseq	NP_001093251
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MIM	137168
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UniProt ID	P36269
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