

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	MARGYGATVSLVLLGLGLALAVIVLAVVLSRHHQAPCGPQAFHAHAAVAADSKVCSDIG RAILQQQGSPVDATIAALVCTSVVNPQSMGLGGGVIFTIYNVTTGKVEVINARETVPA SHAPSLLDQCAQALPLGTGAQWIGVPGELRGYAEAHRRHGRPLWAQLFQPTIALLR GGHVVAPVLSRFLHNSILRPSLQASTLRQLFFNGTEPLRPQDPLPWPALATTLETVA TEGVEVFYTGRLGQMLVEDIAKEGSQTLQDLAKFQPEVVDALVPLGDYTLYSPPP PAGGAILSFILNVLRGFNFSTESMARPEGRVNVYHHLVETLKFAGQRWRLGDPRS HPKLQNASRDLLGETLAQLIRQQIDGRGDHQLSHYSLAEAWGHGTGTSHVSVLGED

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GSAVAATSTINTPFGAMVYSPRTGIILNNElldLCERCPRGSGTTPSPAVSGDRVGG
 APGRCWPPVPGERSPSSMVPSILINKAQGSKLVIGGAGGELIISAVAQAIMSKLWLGF
 DLRAAIAAPILHVNSKGCVEYEPNFSQEVQRGLQDRGQNQTQRPFFLNVVQAVSQE
 GACVYAVSDLRKSGEAGY

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](#)

MIM [137168](#)

UniProt ID [P36269](#)

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