

Recombinant Human AGXT Protein, GST-tagged

Cat. No. AGXT-450H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human AGXT full-length ORF (BAG37731.1, 1 a.a. - 392 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene is expressed only in the liver and the encoded protein is localized mostly in the peroxisomes, where it is involved in glyoxylate detoxification. Mutations in this gene, some of which alter subcellular targeting, have been associated with type I primary hyperoxaluria. [provided by RefSeq, Jul 2008]
Molecular Mass	69.52 kDa
AA Sequence	MASHKLLVTPKALLKPLSIPNQLLLGPGPSNLPPRIMAAGGLQMIGSMSKDMYQIM DEIKEGIQYVFQTRNPLTLVISGSGHCALEAALVNVLEPRDSFLVGANGIWGQRAVDI GERIGARVHPMTKDPGGHYTLQEEGLAQHKPVLLFLTHGESSTGVLQPLDGFGE LCHRYKCLLLVDSVASLGGTPLYMDRQGIDILYSGSQKALNAPPGTSLISFSDKAKKK MYSRKTkPFsfYLDIKWLANFWGCDDQPRMYHHTIPVISLYSLRESLALIAEQGLENS WRQHREAAAYLHGRLQALGLQLFVKDPALRLPTVTTVAVPAGYDWRDIVSYVMDHF DIEIMGGLGPSTGKVLRIgLLGCNATRENVDRVTEALRAALQHCPKKKL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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Protein Array

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80centigrade. 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	AGXT alanine-glyoxylate aminotransferase [Homo sapiens]
Official Symbol	AGXT
Synonyms	AGXT; alanine-glyoxylate aminotransferase; SPAT; serine--pyruvate aminotransferase; AGT; AGT1; AGXT1; glycolicaciduria; L alanine: glyoxylate aminotransferase 1; oxalosis I; PH1; primary hyperoxaluria type 1; serine:pyruvate aminotransferase; SPT; serine-pyruvate aminotransferase; alanine--glyoxylate aminotransferase; L-alanine: glyoxylate aminotransferase 1; hepatic peroxisomal alanine:glyoxylate aminotransferase; TLH6;
Gene ID	189
mRNA Refseq	NM_000030
Protein Refseq	NP_000021
MIM	604285
UniProt ID	P21549

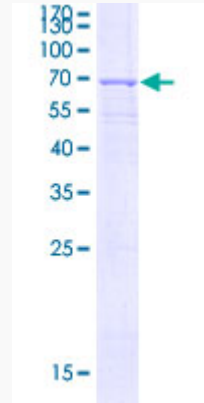
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Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue

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