Recombinant Human AGXT

Cat. No. AGXT-26660TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human AGXT with N-terminal proprietary tag. Predicted MW 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
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 targetting, have been associated with type I primary hyperoxaluria.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Liver.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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	cycles.
Sequences of amino acids	EAAAYLHGRLQALGLQLFVKDPALRLPTVTTVAVPAGYDWRDIVSYVIDHFDIEIMGG LGPSTGKVLRIGLLGCNATRENVDRVTEALRAALQHCPKKKL
Sequence Similarities	Belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family.

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;
Gene ID	189
mRNA Refseq	NM_000030
Protein Refseq	NP_000021
MIM	604285
Uniprot ID	P21549
Chromosome Location	2q37.3

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Pathway	Alanine and aspartate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem; Glycine, serine and threonine metabolism, organism-specific biosystem; Glycine, serine and threonine metabolism, conserved biosystem;
Function	alanine-glyoxylate transaminase activity; amino acid binding; protein binding; protein homodimerization activity; pyridoxal phosphate binding;

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