

Recombinant Human AGXT, MYC/DDK-tagged

Cat. No. AGXT-84837H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AGXT, fused with C-terminal MYC/DDK, was expressed in HEK293.
Species	Human
Source	HEK293
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.
Molecular Mass	42.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	AGXT alanine-glyoxylate aminotransferase [Homo sapiens (human)]
Official Symbol	AGXT

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Synonyms	AGXT; AGT; PH1; SPT; AGT1; SPAT; TLH6; AGXT1; alanine-glyoxylate aminotransferase; serine--pyruvate aminotransferase; serine-pyruvate aminotransferase; serine:pyruvate aminotransferase; alanine--glyoxylate aminotransferase; L-alanine: glyoxylate aminotransferase 1; hepatic peroxisomal alanine:glyoxylate aminotransferase; NP_000021.1; EC 2.6.1.44; EC 2.6.1.51
Gene ID	189
mRNA Refseq	NM_000030
Protein Refseq	NP_000021
MIM	604285
UniProt ID	P21549
Chromosome Location	2q37.3
Pathway	Alanine and aspartate metabolism; Carbon metabolism; Glyoxylate and dicarboxylate metabolism
Function	alanine-glyoxylate transaminase activity; protein homodimerization activity; pyridoxal phosphate binding

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