

# Recombinant Human AGXT Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** AGXT-1076H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	AGXT MS Standard C13 and N15-labeled recombinant protein (NP_000021) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	43 kDa
<b>AA Sequence</b>	MASHKLLVTPPKALLKPLSIPNQLLLGPGPSNLPPRIMAAGGLQMIGSMSKDMYQIM DEIKEGIQYVFQTRNPLTLVISGSGHCALEAALVNVLEPGDSFLVGANGIWGQRAVDI GERIGARVHPMTKDPGGHYTLQEVEEGLAQHKPVLLFLTHGESSTGVLQPLDGFGE LCHRYKCLLLVDSVASLGGTPLYMDRQGIDILYSGSQKALNAPPGTSLISFSDKAKKK MYSRKT KPFSFYLDIKWLANFWGCDDQPRMYHHTIPVISLYSLRESLALIAEQGLENS WRQHREAAAYLHGRLQALGLQLFVKDPALRLPTVTTVAVPAGYDWRDIVSYVIDHF DIEIMGGLGPSTGKVLRIGLLGCNATRENVDRVTEALRAALQHCPKKLTRTRPLEQ KLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	AGXT alanine-glyoxylate aminotransferase [ Homo sapiens (human) ]
<b>Official Symbol</b>	AGXT
<b>Synonyms</b>	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;
<b>Gene ID</b>	189
<b>mRNA Refseq</b>	NM_000030
<b>Protein Refseq</b>	NP_000021
<b>MIM</b>	604285
<b>UniProt ID</b>	P21549

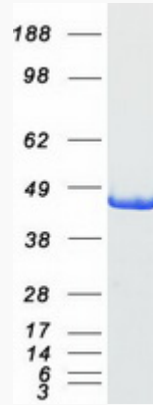
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SDS-PAGE



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