

Product datasheet for PH312899

AGXT (NM_000030) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AGXT MS Standard C13 and N15-labeled recombinant protein (NP_000021)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212899
Predicted MW:	43 kDa
Protein Sequence:	>RC212899 protein sequence Red=Cloning site Green=Tags(s)
	MASHKLLVTPPKALLKPLSIPNQLLLGPGPSNLPPRIMAAGGLQMGSMKDMYQIMDEIKEGIQYVFQT RNPLTLVISGSGHCALEAALVNVLEPGDSFLVGANGIWGQRAVDIGERIGARVHPMTKDPGGHYTLQEVE EGLAQHKPVLLFLTHGESSTGVLQPLDGFELCHRYKCLLLVDSVASLGGTPLYMDRQGIDILYSGSQKA LNAPPGTSLISFSDKAKKKMYSRKTKPFYLDIKWLANFWGCCDDQPRMYHHTIPVISLSLRESLALIA EQGLENSWRQHREAAAYLHGRLQALGLQLFVKDPALRLPTVTTVAVPAGYDWRDIVSYVIDHFDIEIMGG LGPSTGKVLRIGLLGCNATRENVDRVTEALRAALQHCPKKKL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000021</u>
RefSeq Size:	1611
RefSeq ORF:	1176
Synonyms:	AGT; AGT1; AGXT1; PH1; SPAT; SPT; TLH6
Locus ID:	189



[View online »](#)

UniProt ID: [P21549](#)

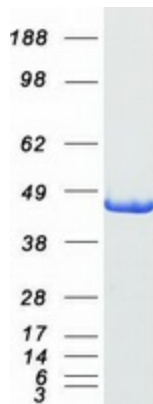
Cytogenetics: 2q37.3

Summary: 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]

Protein Families: Druggable Genome

Protein Pathways: Alanine, aspartate and glutamate metabolism, Glycine, serine and threonine metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified AGXT protein (Cat# [TP312899]). The protein was produced from HEK293T cells transfected with AGXT cDNA clone (Cat# [RC212899]) using MegaTran 2.0 (Cat# [TT210002]).