

Recombinant Human AGXT protein, His-tagged

Cat. No. AGXT-84838H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AGXT protein(1-392 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-392 aa
Tag	N-His
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

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AA Sequence

MASHKLLVTPPKALLKPLSIPNQLLLGPGPSNLPPRIMAAGGLQMIGSMSKDMYQIM
 DEIKEGIQYVFQTRNPLTLVISGSGHCALEAALVNVLEPGDSFLVGANGIWGQRAVDI
 GERIGARVHPMTKDPGGHYTLQEVEEGLAQHKPVLLFLTHGESSTGVLQPLDGFGE
 LCHRYKCLLLVDSVASLGGTPLYMDRQGIDILYSGSQKALNAPPGTSLISFSDKAKKK
 MYSRKTKPFSFYLDIKWLANFWGCDDQPRMYHHTIPVISLYSLRESLALIAEQGLENS
 WRQHREAAAYLHGRLQALGLQLFVKDPALRLPTVTTVAVPAGYDWRDIVSYVIDHF
 DIEIMGGLGPSTGKVLRIGLLGCNATRENVDRVTEALRAALQHCPKKKL

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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SDS-PAGE



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