

Recombinant Human AGXT2 Protein, His-tagged

Cat. No. AGXT2-156H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AGXT2 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is a class III pyridoxal-phosphate-dependent mitochondrial aminotransferase. It catalyzes the conversion of glyoxylate to glycine using L-alanine as the amino donor. It is an important regulator of methylarginines and is involved in the control of blood pressure in kidney. Polymorphisms in this gene affect methylarginine and beta-aminoisobutyrate metabolism, and are associated with carotid atherosclerosis. Alternative splicing results in multiple transcript variants.
Form	50mM Tris, 8M Urea, pH8.0.
Molecular Mass	52.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	AGXT2 alanine--glyoxylate aminotransferase 2 [Homo sapiens]
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Official Symbol	AGXT2
Synonyms	AGXT2; alanine--glyoxylate aminotransferase 2; alanine glyoxylate aminotransferase 2; alanine--glyoxylate aminotransferase 2, mitochondrial; AGT2; beta ALAAT II; beta alanine pyruvate aminotransferase; beta-ALAAT II; beta-alanine-pyruvate aminotransferase; (R)-3-amino-2-methylpropionate--pyruvate transaminase; DAIBAT;
Gene ID	64902
mRNA Refseq	NM_031900
Protein Refseq	NP_114106
MIM	612471
UniProt ID	Q9BYV1

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