

## Recombinant Human AGXT2 Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** AGXT2-334H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	AGXT2 MS Standard C13 and N15-labeled recombinant protein (NP_114106) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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. [provided by RefSeq, Apr 2015]</p>
<b>Molecular Mass</b>	52.4 kDa
<b>AA Sequence</b>	<p>MTLIWRHLLRPLCLVTSAPRILEMHPFLSLGTSRTSVTKLSLHTKPRMPPCDFMPER  YQSLGYNRVLEIHKEHLSPVVTAYFQKPLLLHQGHMEWLFDAEGSRYLDFFSGIVTV  SVGHCHPKVNAVAQKQLGRLWHTSTVFFHPPMHEYAEKLAALLPEPLKVIFLVNSG  SEANELAMLMARAHSNNIDIISFRGAYHGCSPYTLGLTNVGIYKMELPGGTGCQPTM  CPDVFRGPWGGSHCRDSPVQTIRKCSCAPDCCQAKDQYIEQFKDTLSTSVAKSIAG  FFAEPIQGVNGVVQYPKGFLKEAFELVRARGGVCIADDEVQTGFGRGLGSHFWGFQTH</p>

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DVLPDIVTMAKGIGNGFPMMAAVITTPETIAKSLAKCLQHFNTFGGNPMACAIGSAVLEVI  
 KEENLQENSQEVGTYMLLKFAKLRDEFEIVGDVVRGKGLMIGIEMVQDKISCRPLPRE  
 EVNQIHEDCKHMGLLVGRGSIFSQTFRIAPSMCITKPEVDFAVEVFERSALTQHMERR  
 AKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** AGXT2 alanine--glyoxylate aminotransferase 2 [ Homo sapiens (human) ]

**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

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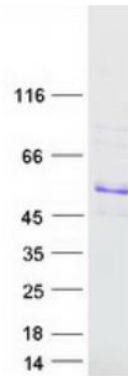
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**Protein Refseq** NP\_114106

**MIM** 612471

**UniProt ID** Q9BYV1

**SDS-PAGE**



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