

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

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

SPECIFICATION

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

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DVLPDIVTMAKGIGNGFPMMAVITTPEIAKSLAKCLQHFNTFGGNPMACAIGSAVLEVI
KEENLQENSQEVGTYMLLKFAKL RDEFEIVGDVVRGKGLMIGIEMVQDKISCRPLPRE
EVNQIHEDCKHMGLLVGRGSIFSQTFRIAPSMCITKPEVDFAVEVFRSALTQHMERR
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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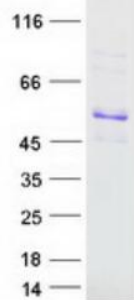
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Protein Refseq NP_114106

MIM 612471

UniProt ID Q9BYV1

SDS-PAGE



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