

## Product datasheet for PH319357

### AGXT2 (NM\_031900) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	AGXT2 MS Standard C13 and N15-labeled recombinant protein (NP_114106)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219357
Predicted MW:	52.4 kDa
Protein Sequence:	>RC219357 representing NM_031900 Red=Cloning site Green=Tags(s)

MTLIWRHLLRPLCLVTSAPRILEMHPFLSLGTSRTSVTKLSLHTKPRMPPCDFMPERYQSLGYNRVLEIH  
KEHLSPVVTAYFQKPLLLHQGHMEWLFDAEGSRYLDFSGIVTVSVGHCHPKVNAVAQKQLGRLWHTSTV  
FFHPPMHEYAEKLAALLPEPLKVIFLVNSGSEANELAMLARAHSNNIDIISFRGAYHGCSPTYTLGLTNV  
GIYKMEPLPGGTGCQPTMCPDVFRGPWGGSHCRDSPVQTIKRCSCAPDCCQAKDQYIEQFKDTLSTVAKS  
IAGFFAEPIQGVNGVVQYPKGLKEAFELVRAGGVCI ADEVQTFGRLGSHFWGFQTHDVLDPDIVTMAK  
GIGNGFPMAAVITTP EIAKSLAKCLQHFNTFGGNPMACAIGSAVLEVIKEENLQENSQEVGTMYLLKFAK  
LRDEF EIVGDVRGKGLMIGIEMVQDKISCRPLPREEVQIHEDCKHMGLLVGRGSIFSQTFRIAPSMCIT  
KPEVDFAVEVFRSALTQHMERRAK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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_114106</u>
RefSeq Size:	2165
RefSeq ORF:	1542



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**Synonyms:** AGT2; BAIBA; DAIBAT

**Locus ID:** 64902

**UniProt ID:** [Q9BYV1](#)

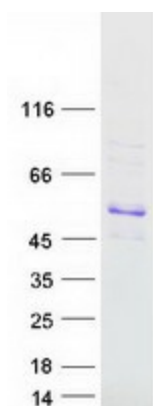
**Cytogenetics:** 5p13.2

**Summary:** 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]

**Protein Families:** Druggable Genome

**Protein Pathways:** Alanine, aspartate and glutamate metabolism

### Product images:



Coomassie blue staining of purified AGXT2 protein (Cat# [TP319357]). The protein was produced from HEK293T cells transfected with AGXT2 cDNA clone (Cat# [RC219357]) using MegaTran 2.0 (Cat# [TT210002]).