

Recombinant Full Length Human AGXT2 Protein, GST-tagged

Cat. No. AGXT2-939HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AGXT2 full-length ORF (BAG37242.1, 1 a.a. - 514 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	514 amino acids
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	82.94 kDa
AA Sequence	MTLIWRHLLR PLCLVTSAPR ILEMHPFLSL GTSRTSVTKL SLHTKPRMPP CDFMPERYQS LGYNRVLEIH KEHLSPVVTA YFQKPLLLHQ GHMEWLFDAE GNRYLDFFSG IVTVSVGHCH PKVNAVAQKQ LGRLWHTSTV FFHPPMHEYA EKLAALLPEP LKVIFLVNSG SEANELAMLM ARAHSNNIDI ISFRGAYHGC SPYTLGLTNV GIYKMELPGG TGCQPTMCPD VFRGPWGGSH CRDSPVQTIR KCSCAPDCCQ AKDQYIEQFK DTLSTSVAKS IAGFFAEPIQ GVNGVVQYPK

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GFLKEAFELV RARGGVCIAD EVQTGFGR LG SHFWGFQTHD VLPDIVTMAK
 GIGNGFPMMA VITTPEIAKS LAKCLQHFNT FGGNPMACAI GSAVLEVIKE
 ENLQENSQEV GTYMLLKFAK LRDEFEIVGD VRGKGLMIGI EMVQDKISCR
 PLPREEVNQI HEDCKHMGLL VGRGSIFSQT FRIAPSMCIT KPEVDFAVEV
 FRSALTQHME RRAK

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [AGXT2 alanine--glyoxylate aminotransferase 2 \[Homo sapiens \]](#)

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](#)

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MIM	612471
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UniProt ID	Q9BYV1
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