



# Recombinant Human Alanine--glyoxylate aminotransferase 2, mitochondrial (AGXT2)

<b>Product Code</b>	CSB-YP866322HU
<b>Abbreviation</b>	AGXT2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9BYV1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	LHTKPRMPP CDFMPERYQS LGYNRVLEIH KEHLSPVVTA YFQKPLLLHQ GHMEWLFDAE GSRYLDFFSG IVTVSVGHCH PKVNAVAQKQ LGRLWHTSTV FFHPPMHEYA EKLAALLPEP LKVIFLVNSG SEANELAMLM ARAHSNNIDI ISFRGAYHGC SPYTLGLTNV GTYKMELPGG TGCQPTMCPD VFRGPWGGSH CRDSPVQTIR KCSCAPDCCQ AKDQYIEQFK DTLSTSVAKS IAGFFAEPIQ GVNGVVQYPK GFLKEAFELV RARGGVCIAD EVQTGFGRGLG SHFWGFQTHD VLPDIVTMAK GINGGFPMAA VITTPEIAKS LAKCLQHFNT FGGNPMACAI GSAVLEVIKE ENLQENSQEV GTYMLLKFAK LRDEFEIVGD VRGKGLMIGI EMVQDKISCR PLPREEVNQI HEDCKHMGLL VGRGSIFSQT FRIAPSMCIT KPEVDFAVEV FRSALTQHME RRAK
<b>Source</b>	Yeast
<b>Target Names</b>	AGXT2
<b>Protein Names</b>	Recommended name: Alanine--glyoxylate aminotransferase 2, mitochondrial Short name= AGT 2 EC= 2.6.1.44 Alternative name(s): (R)-3-amino-2-methylpropionate--pyruvate transaminase EC= 2.6.1.40 Beta-ALAAT II Beta-alanine-
<b>Expression Region</b>	42-514
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein is a class III pyridoxal-phosphate-dependent mitochondrial aminotransferase. It catalyzes the conversion of glyoxylate to glycine using L-alanine as the amino donor.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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