



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

Product Code	CSB-BP866322HU
Abbreviation	AGXT2
Storage	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.
Uniprot No.	Q9BYV1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	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
Source	Baculovirus
Target Names	AGXT2
Protein Names	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-
Expression Region	42-514
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	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.

Shelf Life

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.