



Recombinant Human Serine--pyruvate aminotransferase (AGXT)

Product Code	CSB-EP001468HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P21549
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MASHKLLVTP PKALLKPLSI PNQLLLGPGP SNLPPRIMAA GGLQMIGSMS KDMYQIMDEI KEGIQYVFQT RNPLTLVISG SGHCALEAAL VNVLEPGDSF LVGANIWGQ RAVDIGERIG ARVHPMTKDP GGHYTLQEVE EGLAQHKPVL LFLTHGESST GVLQPLDGFG ELCHRYKCLL LVDSVASLGG TPLYMDRQGI DILYSGSQKA LNAPPGTSLI SFSDKAKKKM YSRKTKPFSF YLDIKWLANF WGCDDQPRMY HHTIPVISLY SLRESLALIA EQGLENSWRQ HREAAAYLHG RLQALGLQLF VKDPALRLPT VTTVAVPAGY DWRDIVSYVI DHFDIEIMGG LGPSTGKVLRL IGLLGCNATR ENVDRVTEAL RAALQHCPKK KL
Source	E.coli
Target Names	AGXT
Protein Names	Recommended name: Serine--pyruvate aminotransferase Short name= SPT EC= 2.6.1.51 Alternative name(s): Alanine--glyoxylate aminotransferase Short name= AGT EC= 2.6.1.44
Expression Region	1-392
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 protein
Target Details	This gene is expressed only in the liver and the encoded protein is localized mostly in the peroxisomes, where it is involved in glyoxylate detoxification. Mutations in this gene, some of which alter subcellular targetting, have been associated with type I primary hyperoxaluria.
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.