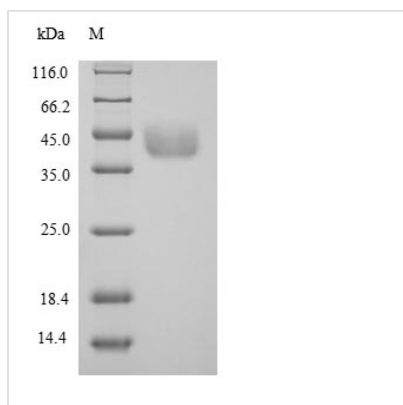


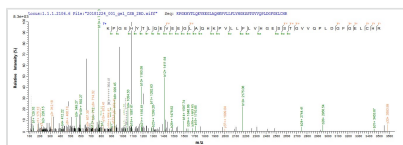


Recombinant Mouse Serine--pyruvate aminotransferase, mitochondrial (Agxt)

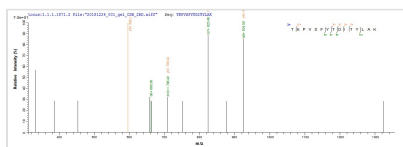
Product Code	CSB-YP001468MO
Relevance	Dual metabolic roles of gluconeogenesis (in the mitochondria) and glyoxylate detoxification (in the peroxisomes).
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, 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.	O35423
Storage Buffer	Tris-based buffer,50% glycerol
Alias	Alanine--glyoxylate aminotransferase (EC:2.6.1.44) ;AGT
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	SYQLLVPPPEALSKPLSVPTRLLLPGGPSNLAPRVLAAGSLRMIGHMQKEMLQI MEEIKQGIQYVFQTRNPLTLVVS GSGHCAMETALFNLLEPGDSFLTGTNGIWG MRAAEIADRIGARVHQMIIKKPGEHYTLQEVEEGLAQHKPVLLFLVHGESSSTGV VQPLDGFGE LCHRYQCLLLVDSVASLGGVPIYMDQQGIDIMYSSSQKVLNAPP GISLISFNDKAKYKVYSRKT KPVSFYTDITYLAKLWGCEGETRVIHHTTPVTSLY CLRESLALIAEQGLENCWRRHREATAHLHKHLQEMGLKFFVKDPEIRLPTITTV TVPAGYNWRDIVSYVLDHFSIEISGGLGPTEERVLRIGLLGYNATTENVDRVAE ALREALQHCPKNKL
Research Area	Others
Source	Yeast
Gene Names	Agxt
Protein Names	Recommended name: Serine--pyruvate aminotransferase, mitochondrial Short name= SPT EC= 2.6.1.51 Alternative name(s): Alanine--glyoxylate aminotransferase Short name= AGT EC= 2.6.1.44
Expression Region	25-414aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	45.3kDa
Protein Description	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP001468MO could indicate that this peptide derived from Yeast-expressed Mus musculus (Mouse) Agxt.



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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.