Recombinant Pig Aspartate aminotransferase, cytoplasmic (GOT1)

Product Code	CSB-EP009679PI-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P00503
Product Type	Recombinant Protein
Immunogen Species	Sus scrofa (Pig)
Purity	>85% (SDS-PAGE)
Sequence	APPSVFAEV PQAQPVLVFK LIADFREDPD PRKVNLGVGA YRTDDCQPWV LPVVRKVEQR IANDSSLNHE YLPILGLAEF RTCASRLALG DDSPALQEKR VGGVQSLGGT GALRIGAEFL ARWYNGTNNK DTPVYVSSPT WENHNGVFTT AGFKDIRSYR YWDTEKRGLD LQGFLSDLEN APEFSIFVLH ACAHNPTGTD PTPEQWKQIA SVMKRRFLFP FFDSAYQGFA SGNLEKDAWA IRYFVSEGFE LFCAQSFSKN FGLYNERVGN LTVVAKEPDS ILRVLSQMEK IVRVTWSNPP AQGARIVART LSDPELFHEW TGNVKTMADR ILSMRSELRA RLEALKTPGT WNHITDQIGM FSFTGLNPKQ VEYLINEKHI YLLPSGRINM CGLTTKNLDY VATSIHEAVT KIQ
Source	E.coli
Target Names	GOT1
Protein Names	Recommended name: Aspartate aminotransferase, cytoplasmic EC= 2.6.1.1 Alternative name(s): Glutamate oxaloacetate transaminase 1 Transaminase A
Expression Region	2-413
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	Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology.
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.