Recombinant Human Aspartate aminotransferase, mitochondrial (GOT2)

Product Code	CSB-EP009681HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P00505
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	S SWWTHVEMGP PDPILGVTEA FKRDTNSKKM NLGVGAYRDD NGKPYVLPSV RKAEAQIAAK NLDKEYLPIG GLAEFCKASA ELALGENSEV LKSGRFVTVQ TISGTGALRI GASFLQRFFK FSRDVFLPKP TWGNHTPIFR DAGMQLQGYR YYDPKTCGFD FTGAVEDISK IPEQSVLLLH ACAHNPTGVD PRPEQWKEIA TVVKKRNLFA FFDMAYQGFA SGDGDKDAWA VRHFIEQGIN VCLCQSYAKN MGLYGERVGA FTMVCKDADE AKRVESQLKI LIRPMYSNPP LNGARIAAAI LNTPDLRKQW LQEVKVMADR IIGMRTQLVS NLKKEGSTHN WQHITDQIGM FCFTGLKPEQ VERLIKEFSI YMTKDGRISV AGVTSSNVGY LAHAIHQVTK
Source	E.coli
Target Names	GOT2
Protein Names	Recommended name: Aspartate aminotransferase, mitochondrial Short name= mAspAT EC= 2.6.1.1 Alternative name(s): Fatty acid-binding protein Short name= FABP-1 Glutamate oxaloacetate transaminase 2 Plasma membrane-associ
Expression Region	30-430
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 inner-membrane 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.