



# Recombinant Human Aspartate aminotransferase, mitochondrial (GOT2)

<b>Product Code</b>	CSB-MP009681HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P00505
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	S SWWTHVEMGP PDPILGVTEA FKRDTNSKKM NLGVGAYRDD NGKPYVLPSV RKAEAQIAAK NLDKEYLPIG GLAEFCKASA ELALGENSEV LKSGRFVTVQ TISGTGALRI GASFLQRFFK FSRDVFLLPKP TWGNHTPIFR DAGMQLQGYR YYDPKTCGFD FTGAVEDISK IPEQSVLLH ACAHNPTGVD PRPEQWKEIA TVVKRNLFA FFDMAYQGFA SGDGDKDAWA VRHFIEQQIN VCLCQSYAKN MGLYGERVGA FTMVCKDADE AKRVESQLKI LIRPMYSNPP LNGARIAAAI LNTPDLRKQW LQEVKVMADR IIGMRTQLVS NLKKEGSTHN WQHITDQIGM FCFTGLKPEQ VERLIKEFSI YMTKDGRISV AGVTSSNVGY LAHAIHQVTK
<b>Source</b>	Mammalian cell
<b>Target Names</b>	GOT2
<b>Protein Names</b>	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-associated
<b>Expression Region</b>	30-430
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.