

## Recombinant Human GOT1

Catalog No: C145

<b>Description</b>	Recombinant Human Glutamate Oxaloacetate Transaminase 1 is produced by our E.coli expression system and the target gene encoding Ala2-Leu414 is expressed with a 6His tag at the C-terminus.
<b>Source</b>	E.coli
<b>Alternative name</b>	Aspartate Aminotransferase Cytoplasmic; Glutamate Oxaloacetate Transaminase 1; Transaminase A; GOT1
<b>Accession No.</b>	P17174
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 2mM DTT, 20% Glycerol, pH 7.5.
<b>Quality Control</b>	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg).
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
<b>Amino Acid Sequence</b>	APPSVFAEVPQAQPVLFVFKLTADFREDPDPRKVN LGVGAYRTDDCHPWVLPVVKKVEQKIANDNSL NHEYLPILGLAEFRSCAS RLALGDDSPALKEKRVGGVQSLGGTGALRIGADFLARWYNGTNNKNTPVYVSSPTWENHNAVFS AGFKDIRSYRYWDAEKR GLDLQGFLNDLENAPEFSIVVLHACAHNPTGIDPTPEQWKQIASVMKHRFLFPFFDSAYQGFA SGNL ERDAWAIRYFVSEGFEF FCAQSFSKNFGLYNERVGNLTVVGKEPESILQVLSQMEKIVRITWSNPPAQGARIVASTLSNPELFEE WTGNVKTMA DRIL TMR SELRARLEALKTPGTWNHITDQIGMFSFTGLNPKQVEYLVNEKH IYLLPSGRINVSGLTTKNLDYVAT SIHEAVTKIQLEHHHHH H
<b>Background</b>	Glutamate Oxaloacetate Transaminase 1 (GOT1) is a cytoplasmic protein. GOT1 belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family. GOT1 is a pyridoxal phosphate-dependent enzyme that exists in cytoplasmic and mitochondrial forms. GOT1 plays a key role in amino acid metabolism and the urea and tricarboxylic acid cycles. GOT1 involves in L-methionine salvage from methylthioadenosine, aspartate catabolic process, cellular response to insulin stimulus, polyamine metabolic process, and glucocorticoid stimulus.

### SDS-PAGE

