

## Recombinant Human GOT1 Catalog No: C145

**Description** 

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.

Source

E.coli

Alternative name

Aspartate Aminotransferase Cytoplasmic: Glutamate Oxaloacetate Transaminase 1: Transaminase

A: GOT1

Accession No.

P17174

**Formulation** 

Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 2mM DTT, 20% Glycerol, pH

7.5.

**Quality Control** 

Purity: Greater than 95% as determined by reducing SDS-PAGE. Less than 0.1 ng/µg (1 IEU/µg).

Endotoxin:

The product is shipped on dry ice/polar packs.

Upon receipt, store it immediately at the temperature listed below.

**Storage** 

**Shipping** 

Store at < -20°C, stable for 6 months after receipt.

Please minimize freeze-thaw cycles.

**Amino Acid** Sequence

APPSVFAEVPQAQPVLVFKLTADFREDPDPRKVNLGVGAYRTDDCHPWVLPVVKKVEQKIANDNSL

NHEYLPILGLAFFRSCAS

RLALGDDSPALKEKRVGGVQSLGGTGALRIGADFLARWYNGTNNKNTPVYVSSPTWENHNAVFSA

**AGFKDIRSYRYWDAEKR** 

GLDLQGFLNDLENAPEFSIVVLHACAHNPTGIDPTPEQWKQIASVMKHRFLFPFFDSAYQGFASGNL

**ERDAWAIRYFVSEGFEF** 

FCAQSFSKNFGLYNERVGNLTVVGKEPESILQVLSQMEKIVRITWSNPPAQGARIVASTLSNPELFEE

WTGNVKTMADRILTMR

SELRARLEALKTPGTWNHITDQIGMFSFTGLNPKQVEYLVNEKHIYLLPSGRINVSGLTTKNLDYVAT

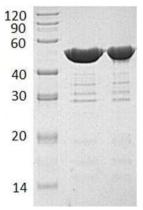
SIHEAVTKIQLEHHHHH H

**Background** 

Glutamate Oxaloacetate Transaminase 1 (GOT1) is a cytoplasmic protein. GOT1 belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family. GOT1 is a pyridoxal phosphatedependent 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**

kDa MK R NR



MK: Marker

R: Sample in reducing conditions

NR: Sample in non-reducing conditions

