

## Recombinant Human GOT1 protein, GST-tagged

**Cat. No.** GOT1-301612H **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human GOT1 protein(1-413 aa), fused with N-terminal GST tag, was expressed in E.coli.

**Species** Human

**Source** E.coli

**ProteinLength** 1-413 aa

**Form** The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na<sub>2</sub>HPO<sub>4</sub>, 17 mM NaH<sub>2</sub>PO<sub>4</sub>, 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).

**AASequence**

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MAPPSVFAEVPQAQPVLVFKLTADFREDPDPRKVN LGVGAYRTDDCHPWVLPVVK
KVEQKIANDNSLNHEYLPIGLAEFRSCASRLALGDDSPALKEKRVGGVQSLGGTGA
LRIGADFLARWYNGTNNKNTPVYVSSPTWENHNAVFS AAGFKDIRSYRYWDAEKR
GLDLQGFLNDLENAPEFSIVVLHACAHNPTGIDPTPEQWKQIASVMKHRFLFPFFDS
AYQGFASGNLERDAWAIRYFVSEGFEFFCAQSFSKNFGLYNERVGNLTVVGKEPES
ILQVLSQMEKIVRITWSNPPAQGARIVASTLSNPELFEEWTGNVKT MADRILTMRSEL
RARLEALKTPGTWNHITDQIGMFSFTGLNPKQVEYLVNEKH IYLLPSGRINVSGLTTK
NLDYVATSIHEAVTKIQ
    
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<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
<b>Reconstitution</b>	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	GOT1 glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1) [ Homo sapiens ]
<b>Official Symbol</b>	GOT1
<b>Synonyms</b>	GOT1; glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1); aspartate aminotransferase, cytoplasmic; transaminase A; growth-inhibiting protein 18; glutamate oxaloacetate transaminase 1; GIG18; ASTQTL1;
<b>Gene ID</b>	2805
<b>mRNA Refseq</b>	NM_002079
<b>Protein Refseq</b>	NP_002070
<b>MIM</b>	138180
<b>UniProt ID</b>	P17174

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SDS-PAGE



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