

# Recombinant Human GOT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** GOT1-1495H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | GOT1 MS Standard C13 and N15-labeled recombinant protein (NP_002070) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and 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>Molecular Mass</b>   | 46.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MAPPSVFAEVPQAQPVLVFKLTADFREDPDPRKVN LGVGAYRTDDCHPWVLPVVK<br>KVEQKIANDNSLNHEYLPILGLAEFRSCASRLALGDDSPALKEKRVGGVQSLGGTGA<br>LRIGADFLARWYNGTNNKNTPVYVSSPTWENHNAVFS AAGFKDIRSYRYWDAEKR<br>GLDLQGFLNDLENAPEFSIVVLHACAHNPTGIDPTPEQWKQIASVMKHRFLFPFFDS<br>AYQGFASGNLERDAWAIRYFVSEGFEFFCAQSFSKNFGLYNERVGNLTVVGKEPES<br>ILQVLSQMEKIVRITWSNPPAQGARIVASTLSNPELFEEWTGNVKT MADRILTMRSEL<br>RARLEALKTPGTWNHITDQIGMFSFTGLNPKQVEYLVNEKH IYLLPSGRINVSGLTTK<br>NLDYVATSIHEAVTKIQTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

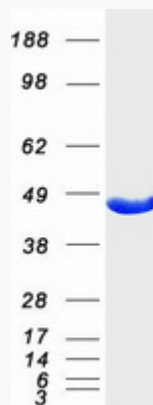
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GOT1 glutamic-oxaloacetic transaminase 1 [ Homo sapiens (human) ]                                                                                                                                                                |
| <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                                                                                                                                                                                                                           |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**SDS-PAGE**

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA