

Active Native Human GOT1 Protein

Cat. No. GOT1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human GOT1 Protein purified from human liver. CK: < 1.0 % ALT/GPT: < 2.0 % LDH: < 10 % Ammonia: < 0.01 micromole/mg UNSPSC code: 51131907 CAS Number: 9000-97-9 E.C. Number: 2.6.1.1
Species	Human
Source	Liver
Description	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.
Form	Lyophilized
Bio-activity	> 1 U/mg
Molecular Mass	~92 kDa (Feliss and martinez-Carrion 1970)
Unit Definition	One unit will catalyze the transamination of one micromole of L-aspartate to alpha-

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	ketoglutarate forming L-glutamate and oxaloacetate per minute at 37 centigrade and pH 7.8.
Applications	Clinical Chemistry
Storage	At -20 centigrade.
Concentration	> 0.5 mg protein/mg (Coomassie)
GENE INFORMATION	
Gene Name	GOT1 glutamic-oxaloacetic transaminase 1 [Homo sapiens (human)]
Official Symbol	GOT1
Synonyms	GOT1; glutamic-oxaloacetic transaminase 1; AST; AST1; SGOT; cCAT; GIG18; cAspAT; ASTQTL1; aspartate aminotransferase, cytoplasmic; aspartate aminotransferase 1; aspartate transaminase 1; cysteine aminotransferase, cytoplasmic; cysteine transaminase, cytoplasmic; glutamate oxaloacetate transaminase 1; glutamic-oxaloacetic transaminase 1, soluble; growth-inhibiting protein 18; testis secretory sperm-binding protein Li 196a; transaminase A; EC 2.6.1.1; EC 2.6.1.3
Gene ID	2805
mRNA Refseq	NM_002079
Protein Refseq	NP_002070
MIM	138180

UniProt ID**P17174** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA