

Active Native Human GOT1 Protein

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

SPECIFICATION

Product Overview	<p>Native Human GOT1 Protein purified from human liver.</p> <p>CK: < 1.0 %</p> <p>ALT/GPT: < 2.0 %</p> <p>LDH: < 10 %</p> <p>Ammonia: < 0.01 micromole/mg</p> <p>UNSPSC code: 51131907</p> <p>CAS Number: 9000-97-9</p> <p>E.C. Number: 2.6.1.1</p>
Species	Human
Source	Liver
Description	<p>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.</p>
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](#)

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UniProt ID

P17174

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