

## Active Native Porcine GOT1 protein

Cat. No. GOT1-5353P Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Native Porcine GOT1 was purified from Porcine Heart.
<b>Species</b>	Porcine
<b>Source</b>	Porcine Heart
<b>Description</b>	GOT1 played an important role in many functions.
<b>Form</b>	Lyophilized from sodium phosphate and pyridoxal-5-phosphate, pH 7.0.
<b>Bio-activity</b>	> 110 U/mg protein (A280)
<b>Molecular Mass</b>	~92,000 (Feliss and martinez-Carrion 1970).
<b>Unit Definition</b>	One unit will catalyze the transamination of one micromole of L-aspartate to alpha-ketoglutarate forming L-glutamate and oxaloacetate per minute at 37 centigrade and pH 7.8
<b>Storage</b>	Store at -20 centigrade
<b>Concentration</b>	> 0.7 mg protein/mg solid (A280) Report mg protein/mg solid (Coomassie)
<b>Reconstitution</b>	> 1 mg/mL in tris buffered saline, 1% BSA, pH 8.0.

### GENE INFORMATION

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<b>Gene Name</b>	GOT1 glutamic-oxaloacetic transaminase 1, soluble [ <i>Sus scrofa</i> ]
<b>Official Symbol</b>	GOT1
<b>Synonyms</b>	cCAT; CASPAT; cysteine aminotransferase, cytoplasmic; cysteine transaminase, cytoplasmic; glutamate oxaloacetate transaminase 1; glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1); transaminase A
<b>Gene ID</b>	396967
<b>mRNA Refseq</b>	NM_213927
<b>Protein Refseq</b>	NP_999092
<b>MIM</b>	
<b>UniProt ID</b>	P00503
<b>Chromosome Location</b>	chromosome: 14
<b>Pathway</b>	2-Oxocarboxylic acid metabolism, organism-specific biosystem; Arginine and proline metabolism, organism-specific biosystem; Biosynthesis of amino acids, organism-specific biosystem
<b>Function</b>	L-aspartate:2-oxoglutarate aminotransferase activity; L-phenylalanine:2-oxoglutarate aminotransferase activity; identical protein binding

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