

Active Native Porcine GOT1 protein

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

SPECIFICATION

Product Overview	Native Porcine GOT1 was purified from Porcine Heart.
Species	Porcine
Source	Porcine Heart
Description	GOT1 played an important role in many functions.
Form	Lyophilized from sodium phosphate and pyridoxal-5-phosphate, pH 7.0.
Bio-activity	> 110 U/mg protein (A280)
Molecular Mass	~92,000 (Feliss and martinez-Carrion 1970).
Unit Definition	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
Storage	Store at -20 centigrade
Concentration	> 0.7 mg protein/mg solid (A280) Report mg protein/mg solid (Coomassie)
Reconstitution	> 1 mg/mL in tris buffered saline, 1% BSA, pH 8.0.

GENE INFORMATION

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

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