

GOT1

Native Porcine Glutamate Oxaloacetate Transaminase

Catalog No.	CSI14901 CSI14902	Quantity:	25 kU 100 kU
Alternate Names:	Aspartate aminotransferase, cytoplasmic, cAspAT, Cysteine aminotransferase, cytoplasmic, Cysteine transaminase, cytoplasmic, cCAT, Glutamate oxaloacetate transaminase 1, Transaminase A		
Description:	Native Porcine Glutamate Oxaloacetate Transaminase is derived from the heart. <i>Background:</i> Two GOT isoenzymes are present in humans. They have high similarity. GOT1, the cytosolic isoenzyme, derives mainly from red blood cells and heart. GOT2, the mitochondrial isoenzyme is predominantly present in liver.		
UniProt ID:	P00503		
Source:	Porcine Heart		
Molecular Weight:	92 kDa		
Formulation:	Lyophilized powder with sodium phosphate and pyridoxal-5-phosphate, pH 7.0		
Purity:	>0.4 mg protein/mg, lot specific		
Contaminants:	CPK < 0.01% GLDH 0.08% LDH < 0.01% MDH < 0.01% GPT/SGPT/ALT 0.02% Protease < 0.002 U/mg (< 0.001 OD/8 minutes) Ammonia < 0.01%		
Specific Activity:	> 100 U/mg at 37°C. One unit will catalyze the transamination of one micromole of L-aspartate to alpha-ketoglutarate forming L-glutamate and oxaloacetate per minute at 37C and pH 7.8. Measured at 340 nm as one equimolar amount of NAD produced by a coupled reaction.		
Storage & Stability:	Store at -20°C to -80°C for up to 1 year. Avoid repeated freeze-thaw cycles.		
Statement:	The animal source of this product was collected at a USDA licensed establishment. The animals received ante and post mortem health inspection at the abattoir by a US FSIS inspector and they were apparently free from infectious and contagious diseases. All donor animals were sourced from the United States.		

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