Active Native Human Glutamate Pyruvate Transaminase (GPT)

Cat. No. GPT-65H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	Human Heart
Form	Purified, Liquid
Bio-activity	620 Units/mL @ 37°C measured
Purity	Contaminants: GOT 1.3% ALP<0.1%>GGT<0.1%>
Unit Definition	One unit will catalyze the transamination of one micromole of L-alanine to alpha-ketoglutarate, forming L-glutamate and pyruvate per minute at 37oC and pH 7.4. Measured at 340 nm as one equimolar amount of NAD produced by a coupled reaction.
Characteristic	Protein: 18 mg/mL (Coomassie) Specific Activity: 34 Units/mg Protein
Applications	Specific methodologies have not been tested using this product.
Usage	FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY
Notes	Centrifuge before opening to ensure complete recovery of vial contents.
Storage	Store at 2-8°C. DO NOT FREEZE!

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Concentration	Activity: 620 Units/mL @ 37°C
Storage Buffer	Ammonia Sulfate Suspension

GENE INFORMATION

Gene Name	GPT glutamic-pyruvate transaminase (alanine aminotransferase) [Homo sapiens]
Official Symbol	GPT
Synonyms	GPT; glutamic-pyruvate transaminase (alanine aminotransferase); alanine aminotransferase 1; ALT1; GPT1; GPT 1; glutamic-alanine transaminase 1; glutamic--alanine transaminase 1; glutamic--pyruvic transaminase 1; glutamate pyruvate transaminase 1; AAT1;
Gene ID	2875
mRNA Refseq	NM_005309
Protein Refseq	NP_005300
UniProt ID	P24298
Chromosome Location	8q24.2-qter
Pathway	Alanine and aspartate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem; Amino acid synthesis and interconversion (transamination), organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism

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	of amino acids and derivatives, organism-specific biosystem;
Function	1-aminocyclopropane-1-carboxylate synthase activity; L-alanine:2-oxoglutarate aminotransferase activity; L-alanine:2-oxoglutarate aminotransferase activity; pyridoxal phosphate binding; transaminase activity;

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