

Active Native Human Glutamate Pyruvate Transaminase

Cat. No. GPT-187H Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified Native Human Heart Glutamate Pyruvate Transaminase. CAS Number: 9000-86-6; E.C. Number: 2.6.1.2
Species	Human
Source	Human Heart
Description	Acute levels of ALT in your blood is a possible indicator of hepatitis and liver injury due to alcohol and drugs or liver disorder due to jaundice. ALT is often measured along with AST. Human Alanine transaminase (ALT) is an enzyme that catalyzes the reversible transfer of an amino group from alanine to α -ketoglutarate and is found in serum and in various bodily tissues but is most commonly associated with the liver.
Form	Lyophilized from tris chloride, EDTA, DTT, α -ketoglutarate and pyridoxal-5-phosphate, pH 7.0
Bio-activity	>10 U/mg protein
Storage	Store at -20°C.
Concentration	>0.4 mg protein/mg

GENE INFORMATION

Gene Name	GPT glutamic-pyruvate transaminase (alanine aminotransferase) [Homo sapiens]
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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
MIM	138200
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 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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