

Recombinant Human GPT Protein, MYC/DDK-tagged

Cat. No. GPT-2236H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GPT protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293
Species	Human
Source	HEK293
Description	This gene encodes cytosolic alanine aminotransaminase 1 (ALT1); also known as glutamate-pyruvate transaminase 1. This enzyme catalyzes the reversible transamination between alanine and 2-oxoglutarate to generate pyruvate and glutamate and, therefore, plays a key role in the intermediary metabolism of glucose and amino acids. Serum activity levels of this enzyme are routinely used as a biomarker of liver injury caused by drug toxicity, infection, alcohol, and steatosis. A related gene on chromosome 16 encodes a putative mitochondrial alanine aminotransaminase.[provided by RefSeq, Nov 2009].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	54.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	GPT glutamic-pyruvate transaminase (alanine aminotransferase) [Homo sapiens]
Official Symbol	GPT
Synonyms	AAT1; ALT1; GPT1
Gene ID	2875
mRNA Refseq	NM_005309
Protein Refseq	NP_005300
MIM	138200
UniProt ID	P24298

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