

GPT

Recombinant Human GPT / ALT, Active

Catalog No.	CSI12673	Quantity:	1U
	CSI12674		3 U
	CSI12675		50 U

Alternate Names: Alanine aminotransferase 1, ALT1, Glutamate pyruvate transaminase 1, GPT 1

Description: Alanine transaminase or ALT is found in serum and in various bodily tissues, but is most commonly associated with the liver. It catalyzes the reversible transamination between alanine and 2-oxoglutarate to generate pyruvate and glutamate and 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 fatty liver disease.

UniProt ID: P24298

Concentration: 1560 U/ml

Source: *E. Coli*

Molecular Weight: 54.48 kDa (495 aa) homodimer

Formulation: Sterile filtered 40 mM sodium acetate, pH 5.5, containing 1 mM DTT containing 1 mM EDTA, 5 mM 2-oxoglutarate, 0.1 mM pyridoxal-5'-phosphate.

Purity: > 95% as determined by SDS-PAGE and RP-HPLC analysis.

Specific Activity: 839 U/mg

Amino Acid Sequence: Identical to native form of human liver ALT.

Storage & Stability: Stable at 2-8°C for shipping purpose. Store unopened at -20°C to -80°C for up to 1 year.
Avoid repeated freeze-thaw cycles.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

