



CERTIFICATE OF ANALYSIS

PRODUCT NAME:	Glutamate Pyruvate Transaminase Human(r-hALT, rGPT)
ACTIVITY:	Typically > 1000u/ml
CAT. NO:	I310-10R
EC NO:	EC. 2.6.1.2
FORM:	Liquid with Bufferized solution (pH 5.5)
MOLECULAR WEIGHT:	54,479 of subunit deduced from gene sequence
PURITY:	Single major band visualized
SOURCE:	E. coli-Recombinant
STORAGE:	-20C
SYNONYMS:	r-hALT, r-hGPT,Glutamate Pyruvate Transaminase (GPT),Alanine tra

ALT(GPT) is found in liver, kidney, brain and heart , as two isoforms; cytosolic ALT and mitochondrial ALT. These enzymes function in cellular nitrogen metabolism and also liver gluconeogenesis. The cytosolic ALT leaked into blood is important as a clinical marker of acute hepatitis. Recombinant product: r-hALT is produced as fully active cytosolic soluble protein in E. coli by expressing gene encoding cytosolic human Alanine Aminotransferase.

Applications:Calibrator/Control for ALT activity assay, Standard antigen for Immunoblotting, Standard antigen for ELISA. Marker for Hepatic cell research

Glutamate Pyruvate Transaminase (GPT)ALT Alanine transaminase research:Higher Concentrations of Alanine Aminotransferase within the reference interval predict nonalcoholic fatty liver disease: Alanine transaminase(ALT) REF: Clinical Chemistry 53:4, 686-692,2007/transaminase