

Alanine Aminotransferase from Human, Recombinant

Cat. No. NATE-0802

Lot. No. (See product label)

Introduction

Description

Alanine transaminase (ALT) is a transaminase enzyme. It is also called alanine aminotransferase (ALAT) and was formerly called serum glutamate-pyruvate transaminase (SGPT) or serum glutamic-pyruvic transaminase (SGPT). ALT is found in plasma and in various body tissues, but is most common in the liver. It catalyzes the two parts of the alanine cycle. Serum ALT level, serum AST (aspartate transaminase) level, and their ratio (AST/ALT ratio) are commonly measured clinically as biomarkers for liver health. The tests are part of blood panels.

Synonyms

ALT1; Glutamic-pyruvic transaminase 1; GPT 1; Glutamic-alanine transaminase 1; AAT1; ALT; ALAT; SGPT; Alanine transaminase; alanine aminotransferase; GPT; β -alanine aminotransferase; alanine- α -ketoglutarate aminotransferase; alanine-pyruvate aminotransferase; glutamic acid-pyruvic acid transaminase; glutamic-pyruvic aminotransferase; L-alanine aminotransferase; L-alanine transaminase; L-alanine- α -ketoglutarate aminotransferase; pyruvate transaminase; pyruvate-alanine aminotransferase; pyruvate-glutamate transaminase

Product Information

Species	Human
Source	E. coli
Appearance	Sterile liquid formulation.
CAS No.	9000-86-6
Molecular Weight	54,479 Da
Purity	Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Activity	1,000 U/mg
Buffer	The protein was dialyzed against 40mM sodium acetate buffer (pH 5.5), 1mM DTT, 1mM EDTA, 5mM 2-oxoglutarate and 0.1mM pyridoxal-5'-phosphate.

Storage and Shipping Information

Stability	AAT1 although stable at 10°C for 5 days, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.
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