

## 32-2392: GPT Active Recombinant Protein

**Alternative Name :** Alanine aminotransferase 1,ALT1,EC 2.6.1.2,Glutamate pyruvate transaminase 1,GPT 1,Glutamic--alanine transaminase 1,Glutamic--pyruvic transaminase 1,GPT,AAT1,GPT1.

### Description

Source : Escherichia Coli. Alanine Aminotransferase Human Recombinant produced in E.Coli is a homodimer, non-glycosylated, polypeptide chain containing 495a.a and having a molecular mass of 54,479 Dalton. The amino acid sequence is the same as that of native form of human liver ALT.The ALT is purified by proprietary chromatographic techniques. Alanine transaminase or ALT is a transaminaseenzyme.ALT is found in serumand in various bodily tissues, but is most commonly associated with the liver; It catalyzes the transfer of an aminogroup from alanineto a-ketoglutarate, the products of this reversible transaminationreaction being pyruvateand glutamatealanine+ a-ketoglutarate= pyruvate+ glutamateIt is commonly measured clinically as a part of a diagnostic liver function test, to determine liver health. It is also called serum glutamate pyruvate transaminase (SGPT) or alanine aminotransferase (ALAT). Diagnostically, it is almost always measured in units/litre (U/L).

### Product Info

**Amount :** 3U  
**Purification :** Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.  
**Content :** Alanine Aminotransferase Human Recombinant produced in E.Coli is a homodimer, non-glycosylated, polypeptide chain containing 495a.a and having a molecular mass of 54,479 Dalton. The amino acid sequence is the same as that of native form of human liver ALT. The ALT is purified by proprietary chromatographic techniques.  
**Storage condition :** AAT1 although stable at 10°C for 5 days, should be stored below -18°C.Please prevent freeze-thaw cycles.

### Application Note

The specific activity was found to be 1,020 U/mg.

