

## GPT Protein, Human, Recombinant (His)

## General Information

Synonyms:	Glutamic--alanine transaminase 1;AAT1;ALT1;Glutamic--pyruvic transaminase 1;GPT1;GPT; Alanine aminotransferase 1;Glutamate pyruvate transaminase 1 (GPT 1)
Protein Construction:	2-496 aa
Species:	Human
Expression Host:	E. coli
Accession:	P24298
Molecular Weight:	58.5 kDa (predicted)
AA Sequence:	ASSTGDRSQAVRHGLRAKVLTLDGMNPRVRRVEYAVRGPVQRALALEQELRQGVKKPFTEVIRANIGDAQA MGQRPITFLRQVLALCVNPDLLSSPNFPDDAKKRAERILQACGGHSLGAYSVSSGIQLIREDVARYIERRDGGI PADPNNVFLSTGASDAIVTVLKLLVAGEGHTRTGVLIPQYPLYSATLAELGAVQVDYYLDEERAWALDVAEL HRALGQARDHCRPRALCVINPGNPTGQVQTRECI EAVIRFAFEERLFLLADEVYQDNVYAAGSQFHSFKKVL MEMGPPYAGQQELASFHSTSKGYMGECGFRGGYVEVVNMDAAVQQQMLKMSVRLCPPVPGQALLDLVV SPPAPTDP SFAQFAEKQAVLAELA AAKAKLTEQVFNEAPGISCNPVQGAMYSFPRVQLPPRAVERAQELGLA PDMFFCLRLLEETGICVVP GSGFGQREGTYHFRMTILPPLEKLRLLLEKLSRFHAKFTLEYS

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

## Preparation and Storage

## Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

## A DRUG SCREENING EXPERT

---

Catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate. Participates in cellular nitrogen metabolism and also in liver gluconeogenesis starting with precursors transported from skeletal muscles.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481