

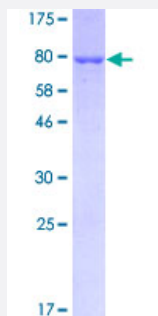
## Full-Length

# GPT (Human) Recombinant Protein (P01)

Catalog # H00002875-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human GPT full-length ORF ( AAH18207.1, 1 a.a. - 496 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MASSTGDRSQAVRHGLRAKVLTL DGMNPRVRRVEYAVRGPIVQRALELEQELRQGVKKPFTEVI  
RANIGDAQAMGQRPITFLRQVLALCVNPDLSSPNFPDDAKKRAERILQACGGHSLGAYSVSSGI  
QLIREDVARYIERRDGGIPADPNVFLSTGASDAITVLKLLVAGEGHTRTGVLIPQYPLYSATLAE  
LGAVQVDYYLDEERAWALDVAELHRALGQARDHCRPRALCVINPGNPTGQVQTRECI EAVIRFAF  
EERLFLLADEVYQDNVYAAGSQFHSFKKVL MEMGPPYAGQQELASFHSTSKGYMGECGFRGGY  
VEVVNMDAAVQQQMLKLMSVRLCPPVPGQALLDLVVSPPAPTDP SFAQFQAEKQAVLAELA AK  
AKLTEQVFNEAPGISCNPVQGAMYSFPRVQLPPRAVERAQELGLAPDMFFCLRLLEETGICV VPG  
SGFGQREGTYHFRMTILPPLEKLRLLLEELSRFHAKFTLEYS

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

80.3

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — GPT

**Entrez GeneID**[2875](#)**GeneBank Accession#**[BC018207](#)**Protein Accession#**[AAH18207.1](#)**Gene Name**

GPT

**Gene Alias**

AAT1, ALT1, GPT1

**Gene Description**

glutamic-pyruvate transaminase (alanine aminotransferase)

**Omim ID**[138200](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Glutamate-pyruvate transaminase (EC 2.6.1.2), also known as alanine aminotransferase, catalyze s the reversible conversion of L-alanine and alpha-ketoglutarate to L-glutamate and pyruvate. It ha s 2 distinct molecular and genetic forms: one cytoplasmic (soluble) (GPT1) and one mitochondrial (GPT2; MIM 138210). See ALTQTL1 (MIM 612363) and ALTQTL2 (MIM 612364) for information on quantitative trait loci influencing the plasma level of alanine aminotransferase.[supplied by OMI M

**Other Designations**

alanine aminotransferase

## Pathway

- [Alanine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Carbon fixation in photosynthetic organisms](#)
- [Metabolic pathways](#)