

Recombinant Full Length Human GPT Protein, GST-tagged

Cat. No. GPT-5572HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GPT full-length ORF (AAH18207.1, 1 a.a. - 496 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	496 amino acids
Description	Glutamate-pyruvate transaminase (EC 2.6.1.2), also known as alanine aminotransferase, catalyzes the reversible conversion of L-alanine and alpha-ketoglutarate to L-glutamate and pyruvate. It has 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 OMIM
Molecular Mass	80.3 kDa
AA Sequence	MASSTGDRSQAVRHGLRAKVLTLDGMNPRVRRVEYAVRGPIVQRALELEQELRQG VKKPFTEVIRANIGDAQAMGQRPITFLRQVLALCVNPDLLSSPNFPDDAKKRAERILQ ACGGHSLGAYSVSSGIQLIREDVARYIERRDGGIPADPNNVFLSTGASDAIVTVLKLL VAGEGHTRTGVLIPQYPLYSATLAELGAVQVDYYLDEERAWALDVAELHRAHGQA RDHCRPRALCVINPGNPTGQVQTRECIEAVIRFAFEERLFLLADEVYQDNVYAAGSQ FHSFKKVLMMGPPYAGQQELASFHSTSKGYMGECGFRGGYVEVVNMDAAVQQQ

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MLKLMSVRLCPPVPGQALLDLVSPAPTDP SFAQFQAEKQAVLAELA AAKAKLTEQV
FNEAPGISCNPVQGAMYSFPRVQLPPRAVERAQELGLAPDMFFCLRLLEETGICVVP
GSGFGQREGTYHFRMTILPPLEKLRLLEELSRFHAKFTLEYS

Applications

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

Notes

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

Storage

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

Storage Buffer

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

GENE INFORMATION

Gene Name

GPT glutamic-pyruvate transaminase (alanine aminotransferase) [Homo sapiens]

Official Symbol

GPT

Synonyms

GPT; glutamic-pyruvate transaminase (alanine aminotransferase); alanine aminotransferase 1; ALT1; GPT1; GPT 1; glutamic-alanine transaminase 1; glutamic--alanine transaminase 1; glutamic--pyruvic transaminase 1; glutamate pyruvate transaminase 1; AAT1;

Gene ID

2875

mRNA Refseq

NM_005309

Protein Refseq

NP_005300

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MIM	138200
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UniProt ID	P24298
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