

## Glutamic-Pyruvate Transaminase Human Recombinant

<b>Item Number</b>	rAP-1910
<b>Synonyms</b>	Glutamic-pyruvate transaminase (alanine aminotransferase), GPT1, ALT1, AAT1, Glutamic-alanine transaminase 1, EC 2.6.1.2.
<b>Description</b>	GPT Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 516 amino acids (1-496) and having a molecular mass of 56.8 kDa. GPT is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P24298
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MASSTGDRSQ AVRHGLRAKV LTLDGMNPRV RRVEYAVRGP IVQRALELEQ ELRQGVKKPF TEVIRANIGD AQAMGQRPIT FLRQVLALCV NPDLLSSPNF PDDAKKRAER ILQACGGHSL GAYSVSSGIQ LIREDEVARYI ERRDGGIPAD PNNVFLSTGA SDAIVTVLKL LVAGEGHTRT GVLIPQYP LYSATLAELG AVQVDYYLDE ERAWALDVAE LHRALGQARD HCRPRALCVI NPGNPTGQVQ TRECIEAVIR FAFEERLFL ADEVYQDNVY AAGSQFHSFK KVLMEMGP- PY AGQQELASFH STSKGYMGEC GFRGGYVEVV NMDAAVQQQM LKLM SVRLCP PVPGQALLDL VVSPAPTDP SFAQFQAEKQ AVLAELAACA KLTEQVFNEA PGISCNPVQG AMYSFPRVQL PPRAVERAQE LGLAPDMFFC LRLLEETGIC VVPGSGFGQR EGYHFRMTI LPPLEKLRLL
<b>Source</b>	E.coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The GPT solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT and 20% glycerol. Greater than 90% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**