

Human GPT Recombinant Protein



RPPB1736

Product Information Protein Information

Product SKU:

RPPB1736

Accession:

P24298

Host:

E.coli.

Protein description:

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.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Glutamic-pyruvate transaminase (alanine aminotransferase), GPT1, ALT1, AAT1, Glutamic-alanine transaminase 1, EC 2.6.1.2.

Formulation:

The GPT solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT and 20% glycerol.

Purity:

Greater than 90% as determined by SDS-PAGE.

Stability:

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.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MASSTGDRSQ AVRHGLRAKV LTLDGMNPRV RRVEYAVRGP IVQRALELEQ
ELRQGVKKPF TEVIRANIGD AQAMGQRPIT FLRQVLALCV NPDLLSSPNF PDDAKKRAER ILQACGGHSL
GAYSVSSGIQ LIREDVARYI ERRDGGIPAD PNNVFLSTGA SDAIVTVLKL LVAGEGHTRT GVLIPQYP
LYSATLAELG AVQVDYYLDE ERAWALDVAE LHRALGQARD HCRPRALCVI NPGNPTGQVQ TRECIEAVIR
FAFEERLFL ADEVYQDNVY AAGSQFHSFK KVLMEMGPPY AGQQELASFH STSKGYMGEC GFRGGYVEV
NMDAAVQQQM LKLMSVRLCP PVPQGALLDL VVSPAPTDP SFAQFQAEKQ AVLAELAAGA KLTEQVFNEA
PGISCNPVQG AMYSFPRVQL PPRAVERAQE LGLAPDMFFC LRLLEETGIC VVPGSGFGQR EGTYHFRMTI
LPPLEKLRLL LEKLSRFHAK FTLEYS

Biological Activity:

Specific activity is > 100units/mg, and is defined as the amount of enzyme that cleaves 1umole of L-Alanine to L-Glutamate per minute at pH 7.5 at 37C.