

RPPB1738

Product Information Protein Information

Product SKU:

RPPB1738

Accession:

P25409

Host:

E.coli.

Protein description:

GPT Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 519 amino acids (1-496 a.a) and having a molecular mass of 57.5kDa. GPT is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Alanine aminotransferase 1 (EC:2.6.1.2), ALT1, Glutamate pyruvate transaminase 1, GPT 1, Glutamic--alanine transaminase 1, Glutamic--pyruvic transaminase 1, Gpt, Aat1, Gpt1.

Formulation:

GPT protein solution (1mg/ml) containing Phosphate Buffered Saline pH 7.4 and 10% glycerol.

Purity:

Greater than 90.0% 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 MGSMASRVND QSQASRNLK GKVLTLDTMN PCVRRVEYAV RGPVQRAL
LEQLRQGVK KPFTEVIRAN IGDAQAMGQR PITFFRQVLA LCVYPNLLSS PDFPEDAKRR AERILQACGG
HSLGAYSISS GIQPIREDVA QYIERRDGGI PADPNNIFLS TGASDAIVTM LKLLVSGEGR ARTGVLIPI
QYPLYSAAAL ELDVAVQVDYY LDEERAWALD IAE LRALCQ ARDRCCPRVL CVINPGNPTG QVQTRECIEA
VIRFAFKEGL FLMADEVYQD NVYAEGSQFH SFKKVLMEMG PPYSTQQELA SFHSVSKGYM GECGFRGGYV
EVVNMDAEVQ KQMGKLMSVR LCPPVPGQAL MDMVVSPPTP SEPSFKQFQA ERQEVLAELA AKAKLTEQVF
NEAPGIRCNP VQGAMYSFPQ VQLPLKAVQR AQELGLAPDM FFCLCLEET GICVVPGS GF GQQEGTYHFR
MTILPPMEKL RLLLEKLSHF HAKFTHEYS.

Biological Activity:

Specific activity is > 60units/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.