

Mouse GPT Recombinant Protein



RPPB1737

Product Information Protein Information

Product SKU:

RPPB1737

Accession:

Q8QZR5

Host:

Escherichia Coli.

Protein description:

GPT Mouse 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, ALT1, Glutamate pyruvate transaminase 1, GPT 1, Glutamic--alanine transaminase 1, Glutamic--pyruvic transaminase 1.

Formulation:

GPT protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH7.4), 1mM DTT 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:

MGSSHHHHH SGLVPRGSH MGSMASQRND RIQASRNLK GKVLTLDTMN PCVRRVEYAV RGPVQRAL
LEQLRQGVK KPFTEVIRAN IGDAQAMGQR PITFFRQVLA LCVYPNLLSS PDFPEDAKRR AERILQACGG
HSLGAYSISS GIQPIREDVA QYIERRDGGI PADPNNIFLS TGASDAIVTM LKLLVAGEGR ARTGVLIPI
QYPLYSAAAL ELDVAVQVDYY LDEERAWALD IAE LRALCQ ARDRCCPRVL CVINPGNPTG QVQTRECIEA
VIRFAFEEGL FLMADEVYQD NVYAEGSQFH SFKVLTEMG PPYATQQELA SFHSVSKGYM GECGFRGGYV
EVMNMDAEVQ KQMAKLMSVR LCPPVPGQAL MGMVVSPPTP SEPSFKQFQA ERQEVLAELA AKAKLTEQVF
NEAPGIRCNP VQGAMYSFPQ IQLPLKAVQR AQDLGLAPDM FFCLCLEET GICVVPGSFG GQQEGTYHFR
MTILPPMEKL RVLLEKLRHF HAKFTHEYS.

Biological Activity:

Specific activity is > 40units/mg, and is defined as the amount of enzyme that convert 1umole of L-Alanine to L-Glutamate per minute at pH 7.5 at 37C.