

RPPB1742

Product Information Protein Information

Product SKU:

RPPB1742

Accession:

Q8BGT5

Host:

Escherichia Coli.

Protein description:

GPT2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 542 amino acids (1-522 aa) and having a molecular mass of 60.1kDa. GPT2 is fused to a 20 amino acid His tag at N-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

ALT2, AAT2, Alanine aminotransferase 2, Glutamate pyruvate transaminase 2, Glutamic--alanine transaminase 2, Glutamic--pyruvic transaminase 2.

Formulation:

The GPT2 solution (1 mg/ml) contains 2mM DTT, 20% Glycerol and 20mM Tris-HCl (pH7.5).

Purity:

Greater than 85.0% 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 MQRAAVLRR GSCPRASGPW GRSHSSAAAE ASAALKVRPERSPRDRILTL
ESMNPQVKAV EYAVRGPIVL KAGEIEMELQ RGIKPPFTEV IRANIGDAHAMGQQPITFLR QVMALCTYPN
LLNSPSFPED AKKRARRILQ ACGGNSLGSY SASQGVNClREDVAAFITRR DGVPADPDNI YLTGASDGI
STILKLLVSG GGKSR TGVM I PIPQYPLYSAVIS ELDAVQV NYLDEENCW ALNVDEL RRA LRQAKDHCDP
KVL CIINPGN PTGQVQSRKCI EDVIHFAWE EKLFL LADEV YQDNVYSPDC RFHSFKK VLY QMGHEYSSNV
ELASFHSTSKGYMGE CGYRG GYMEVINLHP EIKGQLVKLL SVRLCPPVSG QAAMDIVVNP
PEPGEESFEQFSREKEFVLG NLAKKAKLTE DLFNQVPGIQ CNPLQGAMYA FPRILIPAKA
VEAAQSHKMAPDMFYCMKLL EETGICV VPG SGFGQREGTY HFRMTILPPV DKLKTVLHKV KDFHLKFLEQ YS

Biological Activity:

Specific activity is > 50 units/mg. Measured by the amount of enzyme that cleaves 1umole of L-Alanineto L-Glutamate per minute at pH7.5 at 37°C.