

# Mouse GPT2 Recombinant Protein



RPPB1741

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## Product Information    Protein Information

**Product SKU:**

RPPB1741

**Accession:**

Q8TD30

**Host:**

E.coli.

**Protein description:**

GPT2 Mouse Recombinant produced in E. coli is a single polypeptide chain containing 522 amino acids (1-522) and having a molecular mass of 60.1 kDa. Mouse GPT2 is fused to a 21 amino acid His-tag at N-terminus & 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 (1mg/1ml) contains 20mM Tris-HCl buffer (pH 7.5), 20% glycerol, and 2mM DTT.

**Purity:**

Greater than 85% 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 ASAALKVRPE RSPDRILTL  
ESMNPQVKAV EYAVRGPIVL KAGEIEMELQ RGIKKPFTEV IRANIGDAHA MGQQPITFLR QVMALCTYPN  
LLNSPSFPED AKKRARRILQ ACGGNSLGSY SASQGVNCIR EDVAAFITRR DGVPADPDNI YLTGASDGI  
STILKLLVSG GGKSRGVM IPIQYPLYSA VISELDAVQV NYLDEENCW ALNVDELRRR LRQAKDHCDP  
KVLCIINPGN PTGQVQSRKC IEDVIHFAWE EKLFLLADEV YQDNVYSPDC RFHSFKKVLV QMGHEYSSNV  
ELASFHSTK GYMGECEYRG GYMEVINLHP EIKGQLVKLL SVRLCPPVSG QAAMDIVVNP PEPGEESFEQ  
FSREKEFVLG NLAKKAKLTE DLFNQVPGIQ CNPLQGAMYA FPRILIPAKA VEAAQSHKMA PDMFYCMKLL  
EETGICVVPV SGFGQREGTY HFRMTILPPV DKLKTVLHKV KDFHLKFLEQ.

**Biological Activity:**

Greater than 50units/mg, and is defined as the amount of enzyme that cleaves 1umole of L-Alanine to L-Glutamate per minute at pH7.5 at 37°C.