

Glutamic-Pyruvate Transaminase 2 Human Recombinant, Active

Item Number	rAP-1920
Synonyms	ALT2, AAT2, Alanine aminotransferase 2, Glutamate pyruvate transaminase 2, Glutamic--alanine transaminase 2, Glutamic--pyruvic transaminase 2.
Description	GPT2 Human Recombinant produced in E. coli is a single polypeptide chain containing 546 amino acids (1-523) and having a molecular mass of 60.3 kDa. GPT2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q8TD30
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMQRAAAL VRRGCGPRTP SSWGRSQSSA AAEASAVLKV RPERSRRERI LTLESMNPQV KAVEYAVRGP IVLKAGEIEL ELQRGIKKPF TEVIRANIGD AQAMGQQPIT FLRQVMALCT YPNLLDPSPF PEDAkkRARR ILQAC- GGNSL GSYSASQGVN CIREDVAAYI TRRDGGVPAD PDNIYLTGGA SDGISTILKI LVSGGGKSRT GVMIPQPYP LYSAVISELD AIQVNYLDE ENCWALNVNE LRRAVQEAKD HCDPKVLCII NPGNPTGQVQ SRKCIEDVIH
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The GPT2 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH7.5), 30% glycerol, 2mM DTT, 0.2M NaCl. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**