

Glutamic-Pyruvate Transaminase 2 Human Recombinant

Item Number	rAP-1915
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 YPNLLDPSF PEDAKKRARR ILQACGGNSL GSYSASQGVN CIREVDVAAYI TRRDGGVPAD PDNIYLTGGA SDGISTILKI LVSGGGKSRT GVMIPQYP LYSAVISLDE AIQVNYLDE ENCWALNVNE LRRVQEAKD HCDPKVLCII NPGNPTGQVQ SRKCIEDVIH FAWEEKLFL ADEVYQDNVY SPDCRFHSFK KVLVEMGPEY SSVNELASFH STSKGYMGEC GYRGGYMEVI NLHPEIKGQL VKLLSVRLCP PVSGQAAMDV VVNPVAGEE SFEQFSREKE SVLGNLAKKA KLTEDLFNQV PGIHCNPLQG AMYAFPRIFI PAKAVEAAQA HQMAPDMFYC MKLLEETGIC
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 (pH 7.5), 30% glycerol, 0.2M NaCl and 2mM DTT. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
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**