

Recombinant Full Length Human GPT2 Protein, GST-tagged

Cat. No. GPT2-5574HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GPT2 full-length ORF (NP_597700.1, 1 a.a. - 523 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	523 amino acids
Description	GPT (MIM 138200) and GPT2 (EC 2.6.1.2), also known as alanine transaminases, are pyridoxal enzymes that catalyze the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate. By mediating the conversion of these 4 major intermediate metabolites, these transaminases have roles in gluconeogenesis and in amino acid metabolism.[supplied by OMIM
Molecular Mass	84.3 kDa
AA Sequence	MQRAAALVRRGCGPRTTPSSWGRSQSSAAAEASAVLKVRPERSRRERILTLESMNP QVKAVEYAVRGPVLKAGEIELELQRGIKKPFTEVIRANIGDAQAMGQQPITFLRQVM ALCTYPNLLDSPSPEDAKKRARRILQACGGNSLGSYSASQGVNCIREDVAAYITRR DGGVPADPDNIYLTGASDGISTILKILVSGGGKSRTGVMIPQYPLYSAVISELDAIQ VNYLDEENCWALNVNELRRAVQEAKDHCDPKVLCIINPGNPTGQVQSRKCIEDVIH FAWEEKLFLLADEVYQDNVYSPDCRFHSFKKVLVYEMGPEYSSNVELASFHSTSKGY MGECGYRGGYMEVINLHPEIKGQLVKLLSVRLCPPVSGQAAMDIVNPPVAGEESF EQFSREKESVLGNLAKKAKLTEDLFNQVPGIHCNPLQGAMYAFPRIFIPAKAVEAAQ

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	AHQMAPDMFYCMKLLLEETGICVVP GSGFGQREGTYHFRMTILPPVEKLKTVLQKVK DFHINFLEKYA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	GPT2 glutamic pyruvate transaminase (alanine aminotransferase) 2 [Homo sapiens]
Official Symbol	GPT2
Synonyms	GPT2; glutamic pyruvate transaminase (alanine aminotransferase) 2; alanine aminotransferase 2; ALT2; GPT 2; glutamic--alanine transaminase 2; glutamic--pyruvic transaminase 2; glutamic-pyruvate transaminase 2; glutamate pyruvate transaminase 2;
Gene ID	84706
mRNA Refseq	NM_001142466
Protein Refseq	NP_001135938

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MIM	138210
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UniProt ID	Q8TD30
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