

## Recombinant Human GPT2 Protein, GST-tagged

**Cat. No.** GPT2-5305H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human GPT2 full-length ORF ( NP_597700.1, 1 a.a. - 523 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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
<b>Molecular Mass</b>	84.3 kDa
<b>AA Sequence</b>	<p>           MQRAAALVRRGCGPRTTPSSWGRSQSSAAAEASAVLKVRPERSRRERILTLESMNP            QVKA VEYAVRGPVILKAGEIELELQRGIKKPFTEVIRANIGDAQAMGQQPITFLRQVM            ALCTYPNLLDSPSPEDAKKRARRILQACGGNSLGSYSASQGVNCIREDVAAAYITRR            DGGVPADPDNIYLTGASDGISTILKILVSGGGKSRTGVMIPQYPLYSAVISELDAIQ            VNYYLDEENCWALNVNELRRAVQEAKDHCDPKVLCIINPGNPTGQVQSRKCIEDVIH            FAWEEKLFLLADEVYQDNVYSPDCRFHSFKKVLVYEMGPEYSSNVELASFHSTSKGY            MGECGYRGGYMEVINLHPEIKGQLVKLLSVRLCPPVSGQAAMDIVNPPVAGEESF            EQFSREKESVLGNLAKKAKLTEDLFNQVPGIHCNPLQGAMYAFPRIFIPAKAVEAAQ            AHQMAPDMFYCMKLEETGICVVPGSGFGQREGTYHFRMTILPPVEKLTVLQKVK         </p>

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	DFHINFLEKYA
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	GPT2 glutamic pyruvate transaminase (alanine aminotransferase) 2 [ Homo sapiens ]
<b>Official Symbol</b>	GPT2
<b>Synonyms</b>	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;
<b>Gene ID</b>	84706
<b>mRNA Refseq</b>	NM_001142466
<b>Protein Refseq</b>	NP_001135938
<b>MIM</b>	138210

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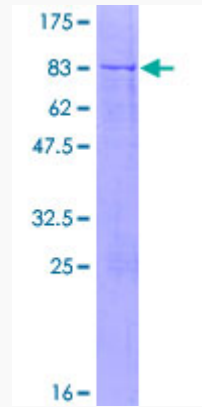
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UniProt ID

Q8TD30

Quality Control  
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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