

Recombinant Human GPT2 Protein, GST-tagged

Cat. No. GPT2-5305H **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	Wheat Germ
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 QVKAVEYAVRGPIVLKAGEIELELQRGIKKPFTEVIRANIGDAQAMGQQPITFLRQVM ALCTYPNLLDSPSPEDAKKRARRILQACGGNSLGSYSASQGVNCIREDVAAAYITRR DGGVPADPDNIYLTGASDGISTILKILVSGGGKSRTGVMIPQYPLYSAVISELDAIQ VNYYLDEENCWALNVNELRRAVQEAKDHCDPKVLCIINPGNPTGQVQSRKCIEDVIH FAWEEKLFLLADEVYQDNVYSPDCRFHSFKKVLVYEMGPEYSSNVELASFHSTSKGY MGECGYRGGYMEVINLHPEIKGQLVKLLSVRLCPPVSGQAAMDIVNPPVAGEESF EQFSREKESVLGNLAKKAKLTEDLFNQVPGIHCNPLQGAMYAFPRIFIPAKAVEAAQ AHQMAPDMFYCMKLLLEETGICVVPGSGFGQREGTYHFRMTILPPVEKLKTVLQKVK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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
MIM	138210

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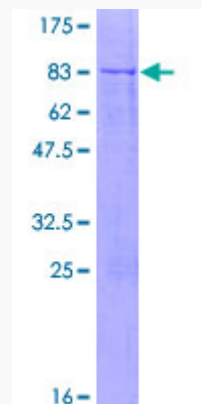
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UniProt ID

Q8TD30

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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