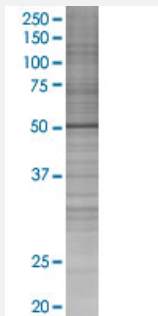


GPT 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002875-T01

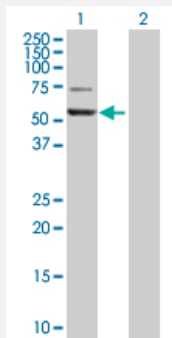
Size 100 uL

Applications



SDS-PAGE Gel

GPT transfected lysate.



Western Blot

Lane 1: GPT transfected lysate (54.67 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-GPT full-length

Host Human

Theoretical MW (kDa) 54.6

Quality Control Testing Transient overexpression cell lysate was tested with Anti-GPT antibody ([H00002875-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 GPT transfected lysate.
 Western Blot
 Lane 1: GPT transfected lysate (54.67 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — GPT

Entrez GeneID[2875](#)**GeneBank Accession#**[NM_005309.1](#)**Protein Accession#**[NP_005300.1](#)**Gene Name**

GPT

Gene Alias

AAT1, ALT1, GPT1

Gene Description

glutamic-pyruvate transaminase (alanine aminotransferase)

Omim ID[138200](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Glutamate-pyruvate transaminase (EC 2.6.1.2), also known as alanine aminotransferase, catalyzes the reversible conversion of L-alanine and alpha-ketoglutarate to L-glutamate and pyruvate. It has 2 distinct molecular and genetic forms: one cytoplasmic (soluble) (GPT1) and one mitochondrial (GPT2; MIM 138210). See ALTQTL1 (MIM 612363) and ALTQTL2 (MIM 612364) for information on quantitative trait loci influencing the plasma level of alanine aminotransferase.[supplied by OMIM]

Other Designations

alanine aminotransferase

Pathway

- [Alanine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Carbon fixation in photosynthetic organisms](#)

- [Metabolic pathways](#)