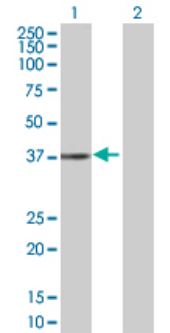
GOT1 293T Cell Transient Overexpression Lysate(Denatured)

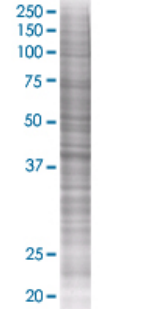
Catalog # H00002805-T01 Size 100 uL

Applications



Western Blot

Lane 1: GOT1 transfected lysate (46.2 KDa)
Lane 2: Non-transfected lysate.



SDS-PAGE Gel

GOT1 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-GOT1 full-length
Host	Human
Theoretical MW (kDa)	45.54
Interspecies Antigen Sequence	Mouse (91); Rat (90)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-GOT1 antibody (H00002805-B01) by Western Blots. Western Blot Lane 1: GOT1 transfected lysate (46.2 KDa) Lane 2: Non-transfected lysate. SDS-PAGE Gel GOT1 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 — GOT1

Entrez GeneID	2805
GeneBank Accession#	NM_002079
Protein Accession#	NP_002070
Gene Name	GOT1
Gene Alias	GIG18
Gene Description	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)
Omim ID	138180
Gene Ontology	Hyperlink
Gene Summary	Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology. [provided by RefSeq
Other Designations	OTTHUMP00000020254|aspartate aminotransferase 1|growth-inhibiting protein 18

Pathway

- Alanine
- Arginine and proline metabolism
- Biosynthesis of alkaloids derived from ornithine
- Biosynthesis of phenylpropanoids
- Biosynthesis of plant hormones
- Carbon fixation in photosynthetic organisms
- Cysteine and methionine metabolism
- Isoquinoline alkaloid biosynthesis
- Metabolic pathways
- Novobiocin biosynthesis
- Phenylalanine
- Phenylalanine metabolism
- Tyrosine metabolism