Human GOT1 Knockdown Cell Lysate

Cat. No. GOT1-347HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated GOT1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	46 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice

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Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg GOT1 KD HeLa cell lysate
Protein Pathways	Alanine, Arginine and proline metabolism, aspartate and glutamate metabolism, Cysteine and methionine metabolism, Metabolic pathways, Phenylalanine, Phenylalanine metabolism, tyrosine and tryptophan biosynthesis, Tyrosine metabolism
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	GOT1 glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1) [Homo sapiens (human)]
Official Symbol	GOT1
Synonyms	GOT1; glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1); aspartate aminotransferase, cytoplasmic; transaminase A; growth-inhibiting protein 18; glutamate oxaloacetate transaminase 1; GIG18; ASTQTL1;
Gene ID	2805
mRNA Refseq	NM_002079
Protein Refseq	NP_002070
MIM	138180
UniProt ID	P17174

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