

# Human GOT2 Knockdown Cell Lysate

Cat. No. GOT2-182HKCL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	WB-validated GOT2 Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and inner-membrane 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. Two transcript variants encoding different isoforms have been found for this gene.
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	48 kDa
<b>Notes</b>	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.
<b>Storage</b>	Store at -20 centigrade for two years.
<b>Concentration</b>	Lot-specific

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<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg GOT2 KD HeLa cell lysate
<b>Protein Families</b>	Stem cell - Pluripotency
<b>Protein Pathways</b>	Alanine, Arginine and proline metabolism, aspartate and glutamate metabolism, Cysteine and methionine metabolism, Metabolic pathways, Phenylalanine, Phenylalanine metabolism, tyrosine and tryptophan biosynthesis, Tyrosine metabolism
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	GOT2 glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2) [ Homo sapiens (human) ]
<b>Official Symbol</b>	GOT2
<b>Synonyms</b>	GOT2; glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2); aspartate aminotransferase, mitochondrial; KAT4; KATIV; kynurenine aminotransferase IV; mitAAT; FABP-1; FABPpm; mAspAT; transaminase A; fatty acid-binding protein; glutamate oxaloacetate transaminase 2; plasma membrane-associated fatty acid-binding protein; FLJ40994;
<b>Gene ID</b>	2806
<b>mRNA Refseq</b>	NM_002080
<b>Protein Refseq</b>	NP_002071

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<b>MIM</b>	138150
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<b>UniProt ID</b>	P00505
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