

Recombinant Full Length Human GOT1 Protein, GST-tagged

Cat. No. GOT1-5434HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human GOT1 full-length ORF (NP_002070.1, 1 a.a. - 413 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 413 amino acids

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. [provided by RefSeq

Molecular Mass 72.6 kDa

AA Sequence

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MAPPSVFAEVPQAQPVLVFKLTADFREDPDPRKVNLGVGAYRTDDCHPWVLPVVK
KVEQKIANDNSLNHEYLPIGLAEFRSCASRLALGDDSPALKEKRVGGVQSLGGTGA
LRIGADFLARWYNGTNNKNTPVYVSSPTWENHNAVFSAAFGKDIRSYRYWDAEKR
GLDLQGFLNDLENAPEFSIVVLHACAHNPTGIDPTPEQWKQIASVMKHRFLFPFFDS
AYQGFASGNLERDAWAIRYFVSEGFEFFCAQSFSKNFGLYNERVGNLTVVGKEPES
ILQVLSQMEKIVRITWSNPPAQGARIVASTLSNPELFEWWTGNVKTMAADRILTMRSEL
RARLEALKTPGTWNHITDQIGMFSFTGLNPKQVEYLVNEKHIIYLLPSGRINVSGLTTK
NLDYVATSIHEAVTKIQ
    
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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	GOT1 glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1) [Homo sapiens]
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