

Recombinant Full Length Human GOT1 Protein, C-Flag-tagged

Cat. No. GOT1-2051HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GOT1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.1 kDa
AA Sequence	MAPPSVFAEVPQAQPVLVFKLTADFREDPDPRKVN LGVGAYRTDDCHPWVLPVVK KVEQKIANDNSLNHE YLPILGLAEFRSCASRLALGDDSPALKEKRVGGVQSLGGTG ALRIGADFLARWYNGTNNKNTPVYVSSPT WENHNAVFS AAGFKDIRSYRYWDAEK RGLDLQGFLNDLENAPEFSIVVLHACAHNPTGIDPTPEQWKQIA SVMKHRFLFPFFD SAYQGFASGNLERDAWAIRYFVSEGFEFFCAQSFSKNFGLYNERVGNLTVVGKEPE S ILQVLSQMEKIVRITWSNPPAQGARIVASTLSNPELFEEWTGNVKT MADRILTMRS ELRARLEALKTPGT WNHITDQIGMFSFTGLNPKQVEYLVNEKH IYLLPSGRINVSGLT TKNL DYVATSIHEAVTKIQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Alanine, aspartate and glutamate metabolism, Arginine and proline metabolism, Cysteine and methionine metabolism, Metabolic pathways, Phenylalanine, tyrosine and tryptophan biosynthesis, Phenylalanine metabolism, Tyrosine metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	GOT1 glutamic-oxaloacetic transaminase 1 [Homo sapiens (human)]
Official Symbol	GOT1
Synonyms	AST; AST1; SGOT; cCAT; GIG18; cAspAT; ASTQTL1
Gene ID	2805
mRNA Refseq	NM_002079.3
Protein Refseq	NP_002070.1

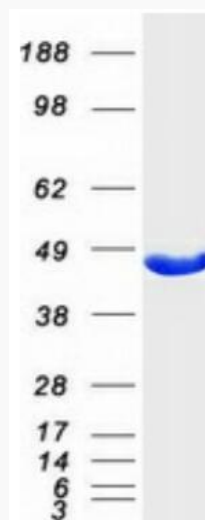
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MIM 138180

UniProt ID P17174



Coomassie blue staining of purified GOT1 protein.

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