

Product datasheet for **TP301757M**

Aspartate Aminotransferase (GOT1) (NM_002079) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1) (GOT1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201757 protein sequence Red =Cloning site Green =Tags(s)

MAPPSVFAEVPQAQPVLVFKLTADFREDPDPRKVNLVGGAYRTDDCHPWVLPVVKKVEQKIANDNSLNHE
YLPILGLAEFRSCASRLALGDDSPALKEKRVGGVQSLGGTGALRIGADFLARWYNGTNNKNTPVVSSPT
WENHNAVFSAAAGFKDIRSYRYWDAEKRGLDLQGFNLNDLENAPEFSIVVLHACAHNPTGIDPTPEQWKQIA
SVMKHRFLFPFFDSAYQGFASGNLERDAWAIRYFVSEGEFFCAQSFSKNFGLYNERVGNLTVGKEPES
ILQVLSQMEKIVRITWSNPPAQGARIVASTLSNPELFEEWTGNVKTADRILTMRSELRARLEALKTPGT
WNHITDQIGMFSFTGLNPKQVEYLVNEKHIIYLLPSGRINVSGLTTKNLDYVATSIHEAVTKIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	46.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_002070</u>



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Locus ID: 2805

UniProt ID: [P17174](#), [A0A140VK69](#)

RefSeq Size: 2140

Cytogenetics: 10q24.2

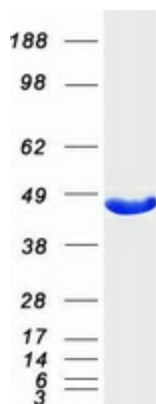
RefSeq ORF: 1239

Synonyms: AST1; ASTQTL1; cAspAT; cCAT; GIG18

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, Jul 2008]

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

Product images:



Coomassie blue staining of purified GOT1 protein (Cat# [TP301757]). The protein was produced from HEK293T cells transfected with GOT1 cDNA clone (Cat# [RC201757]) using MegaTran 2.0 (Cat# [TT210002]).