

Product datasheet for **TP301757**

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), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC201757 protein sequence
Red=Cloning site **Green**=Tags(s)

MAPPSVFAEVPQAQPVLVFKLTADFREDPDPRKVN LGVGAYRTDDCHPWVLPVVKKEQKIANDNSLNHE
YLPILGLAEFRSCASRLALGDDSPALKEKRVGGVQSLGGTGALRIGADFLARWYNGTNNKNTPVYVSSPT
WENHNAVFS AAGFKDIRSYRYWDAEK RGLDLQGFLNDLENAPEFSIVLHACAHNPTGIDPTPEQWKQIA
SVMKHRFLFPFFDSAYQGFASGNLERDAWAIRYFVSEGFEFFCAQSFSKNFGLYNERVGNLTVVGKEPES
ILQVLSQMEKIVRITWSNPPAQGARIVASTLSNPELFEEWTGNVKT MADRILTMRELRLARLEALKTPGT
WNHITDQIGMFSFTGLNPKQVEYLVNEKHIYLLPSGRINVSGLTTKNLDYVATSIHEAVTKIQ

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.

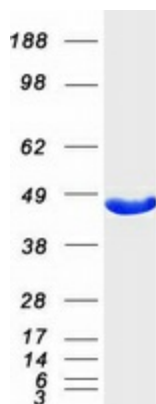
RefSeq: NP_002070



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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]).