

Product datasheet for **RC201757L4V**

Aspartate Aminotransferase (GOT1) (NM_002079) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Aspartate Aminotransferase (GOT1) (NM_002079) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Aspartate Aminotransferase
Synonyms:	AST1; ASTQTL1; cAspAT; cCAT; GIG18
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002079
ORF Size:	1239 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201757).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_002079.1
RefSeq Size:	2140 bp
RefSeq ORF:	1242 bp
Locus ID:	2805
UniProt ID:	P17174
Cytogenetics:	10q24.2
Domains:	aminotran_1_2



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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

MW: 46.2 kDa

Gene 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]