

Product datasheet for **RR214253L4V**

Agxt (NM_030656) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Agxt (NM_030656) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Agxt
Synonyms:	AGT; Spat; SPT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_030656
ORF Size:	1242 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR214253).
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_030656.2 , NP_085914.2
RefSeq Size:	1628 bp
RefSeq ORF:	1245 bp
Locus ID:	24792
UniProt ID:	P09139
Cytogenetics:	9q36



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Gene Summary:

This gene encodes alanine-glyoxylate aminotransferase, which catalyzes the interconversion of L-alanine and glyoxylate to pyruvate and glycine. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. The longer transcript variant includes an upstream translation start codon and a downstream translation start codon. The upstream start codon initiates the translation of the mitochondrial enzyme precursor while the downstream start codon initiates the translation of the peroxisomal enzyme (see PMID:2332438). [provided by RefSeq, Feb 2013]