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Product datasheet for RC219357L3V

AGXT2 (NM_031900) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	AGXT2 (NM_031900) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AGXT2
Synonyms:	AGT2; BAIBA; DAIBAT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_031900
ORF Size:	1542 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219357).
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_031900.1
RefSeq Size:	2165 bp
RefSeq ORF:	1545 bp
Locus ID:	64902
UniProt ID:	Q9BYV1
Cytogenetics:	5p13.2
Protein Families:	Druggable Genome
Protein Pathways:	Alanine, aspartate and glutamate metabolism

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MW: 52.4 kDa

Gene Summary: The protein encoded by this gene is a class III pyridoxal-phosphate-dependent mitochondrial aminotransferase. It catalyzes the conversion of glyoxylate to glycine using L-alanine as the amino donor. It is an important regulator of methylarginines and is involved in the control of blood pressure in kidney. Polymorphisms in this gene affect methylarginine and beta-aminoisobutyrate metabolism, and are associated with carotid atherosclerosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]