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Product datasheet for RC201610L3V

ornithine aminotransferase (OAT) (NM_000274) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ornithine aminotransferase (OAT) (NM_000274) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ornithine aminotransferase
Synonyms:	GACR; HOGA; OATASE; OKT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000274
ORF Size:	1317 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201610).
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_000274.1
RefSeq Size:	2102 bp
RefSeq ORF:	1320 bp
Locus ID:	4942
UniProt ID:	P04181
Cytogenetics:	10q26.13
Domains:	aminotran_3
Protein Families:	Druggable Genome

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Protein Pathways: Arginine and proline metabolism, Metabolic pathways

MW: 48.5 kDa

Gene Summary: This gene encodes the mitochondrial enzyme ornithine aminotransferase, which is a key enzyme in the pathway that converts arginine and ornithine into the major excitatory and inhibitory neurotransmitters glutamate and GABA. Mutations that result in a deficiency of this enzyme cause the autosomal recessive eye disease Gyrate Atrophy. Alternatively spliced transcript variants encoding different isoforms have been described. Related pseudogenes have been defined on the X chromosome. [provided by RefSeq, Jan 2010]