Product datasheet for RC228811L4V

NAT1 (NM_001160173) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NAT1 (NM_001160173) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NAT1
Synonyms:	AAC1; MNAT; NAT-1; NATI
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001160173
ORF Size:	870 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC228811).
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_001160173.1
RefSeq Size:	1971 bp
RefSeq ORF:	873 bp
Locus ID:	9
UniProt ID:	P18440
Cytogenetics:	8p22
Protein Pathways:	Caffeine metabolism, Drug metabolism - other enzymes, Metabolic pathways
MW:	33.9 kDa

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Gene Summary: This gene is one of two arylamine N-acetyltransferase (NAT) genes in the human genome, and is orthologous to the mouse and rat Nat2 genes. The enzyme encoded by this gene catalyzes the transfer of an acetyl group from acetyl-CoA to various arylamine and hydrazine substrates. This enzyme helps metabolize drugs and other xenobiotics, and functions in folate catabolism. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]