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Product datasheet for RC224645L3V

Phosphoserine Aminotransferase (PSAT1) (NM_021154) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Phosphoserine Aminotransferase (PSAT1) (NM_021154) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PSAT1
Synonyms:	EPIP; NLS2; PSA; PSAT; PSATD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_021154
ORF Size:	972 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC224645).`
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_021154.3
RefSeq Size:	2083 bp
RefSeq ORF:	975 bp
Locus ID:	29968
UniProt ID:	Q9Y617
Cytogenetics:	9q21.2
Domains:	aminotran_5

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Protein Pathways:	Glycine, serine and threonine metabolism, Metabolic pathways, Vitamin B6 metabolism
MW:	35 kDa
Gene Summary:	This gene encodes a member of the class-V pyridoxal-phosphate-dependent aminotransferase family. The encoded protein is a phosphoserine aminotransferase and decreased expression may be associated with schizophrenia. Mutations in this gene are also associated with phosphoserine aminotransferase deficiency. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene have been defined on chromosomes 1, 3, and 8. [provided by RefSeq, Jul 2013]