

## Product datasheet for SC212016

### Phosphoserine Aminotransferase (PSAT1) (NM\_021154) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Phosphoserine Aminotransferase (PSAT1) (NM_021154) Human 3' UTR Clone
Symbol:	Phosphoserine Aminotransferase
Synonyms:	EPIP; NLS2; PSA; PSAT; PSATD
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_021154
Insert Size:	1037 bp
Insert Sequence:	>SC212016 3'UTR clone of NM_021154 The sequence shown below is from the reference sequence of NM_021154. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAAAAATTTTGGAGATGCATCAGCTATGAACACATCCTAACCAGGATATACTCTGTTCTTGAACAACA
TACAAAGTTTAAAGTAACTTGGGATGGCTACAAAAAGTTAACACAGTATTTTCTCAAATGAACATGT
TTATTGCAGATTCTTCTTTTTGAAAGAACAACAGCAAAACATCCACAACCTCTGTAAGCTGGTGGGAC
CTAATGTCACCTAATTCTGACTTGAAGTGAAGCATTTTAAGAAATCTTGTGCTTTTCTAACAAATT
CCCGCTATTTTGCCTTTGCTGCTACTTTTCTAGTTAGATTTCAAACCTGCCTGTGGACTTAATAATG
CAAGTTGCGATTAATTATTTCTGGAGTCATGGGAACACACAGCACAGAGGGTAGGGGGCCCTCTAGGT
GCTGAATCTACACATCTGTGGGGTCTCCTGGGTTCAAGCGCTGTTGATTCAAGGTCAACATTGACCATT
GGAGGAGTGGTTAAGAGTGCCAGGCGAAGGGCAAACCTGTAGATCGATCTTTATGCTGTTATTACAGGA
GAAGTGACATACTTTATATATGTTTATATTAGCAAGGTCTGTTTTAATACCATATACTTTATATTTCT
ATACATTTATATTTCTAATAATACAGTTATCACTGATATATGTAGACACTTTTAGAATTTATTAATCC
TTGACCTGTGCATTATAGCATTCCATTAGCAAGAGTTGTACCCCTCCCGAGTCTTCGCCTTCTCTTT
TTAAGCTGTTTTATGAAAAAGACCTAGAAGTTCTTGATTCATTTTTACCATTCTTCCATAGGTAGAA
GAGAAAGTTGATTGGTTGGTTGTTTTCAATTATGCCATTAAACTAAACATTTCTGTAAATTACCCTA
TCTTTGTTCTCTACTGTTTTCTTTGTAATGTATGACTACGAGAGTGATACTTTGCTGAAAAAGTCTTTC
CCCTATTGTTTATCTATTGTCAGTATTTTATGTTGAATATGTAAGAACATTAAAGTCTAAAACATCT
AA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

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Restriction Sites: SgfI-MluI



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<u><a href="#">NM_021154.5</a></u>
<b>Summary:</b>	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]
<b>Locus ID:</b>	29968
<b>MW:</b>	39.8