

## Product datasheet for **RC202475A1V**

### Human Phosphoserine Aminotransferase (PSAT1) (NM\_058179) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human Phosphoserine Aminotransferase (PSAT1) (NM_058179) AAV Particle
Tag:	Myc-DDK
Symbol:	Phosphoserine Aminotransferase
Synonyms:	EPIP; NLS2; PSA; PSAT; PSATD
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC202475 representing NM_058179 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**

ATGGACGCCCCCAGGCAGGTGGTCAACTTTGGCCTGGTCCCGCCAAGCTGCCGCACTCAGTGTGTTAG  
AGATACAAAAGGAATTATTAGACTACAAAGGAGTTGGCATTAGTGTCTTGAAATGAGTCACAGGTCATC  
AGATTTTGCCAAGATTATTAACAATACAGAGAATCTTGTGCGGGAATTGCTAGCTGTTCCAGACAACAT  
AAGGTGATTTTTCTGCAAGGAGGTGGGTGCGGCCAGTTCAGTGCTGTCCCCTTAAACCTCATTGGCTTGA  
AAGCAGGAAGGTGTGCGGACTATGTGGTGACAGGAGCTTGGTCAGCTAAGGCCGAGAAGAAGCCAAAGAA  
GTTTGGGACTATAAATATCGTTACCCCTAAACTTGGGAGTTATACAAAAATTCCAGATCCAAGCACCTGG  
AACCTCAACCCAGATGCCTCCTACGTGTATTATTGCGCAAATGAGACGGTGCATGGTGTGGAGTTTGACT  
TTATACCCGATGTCAAGGGAGCAGTACTGGTTTGTGACATGTCCTCAAACCTCCTGTCCAAGCCAGTGG  
TGTTTCCAAGTTTGGTGTGATTTTTGCTGGTGCCAGAGAATGTTGGCTCTGCTGGGGTACCCTGGTG  
ATTGTCCTGATGACCTGCTGGGGTTGCCCTCCGAGAGTGCCCTCGGTCTGGAATACAAGGTGCAGG  
CTGGAACAGCTCCTTGTACAACACGCCTCCATGTTTCAGCATCTACGTCATGGGCTTGGTTCTGGAGTG  
GATTAACAACAATGGAGGTGCCCGGCCATGGAGAAGCTTAGCTCCATCAAATCTCAAACAATTTATGAG  
ATTATTGATAATTCTCAAGGATTCTACGTTTGTCCAGTGGAGCCCCAAAATAGAAGCAAGATGAATATTC  
CATTCCGATTGGCAATGCCAAAGGAGATGATGCTTTAGAAAAAGATTTCTTGATAAAGCTCTTGAAC  
CAATATGTTGCTTGAAGGGCATAGGTCTGTGGGAGGCATCCGGGCCCTCTGTATAATGCTGTCACA  
ATTGAAGACGTTCAGAAGCTGGCCGCTTCATGAAAAATTTTTGGAGATGCATCAGCTA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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<b>Protein Sequence:</b>	<p>&gt;RC202475 representing NM_058179  <span style="color: red;">Red</span>=Cloning site <span style="color: green;">Green</span>=Tags(s)</p> <p>MDAPRQVVNFGPGPAKLPHSVLLEIQKELLDYKGVGISVLEMSHRSSDFAKIINNNTENLVRELLAVPDNY  KVIFLQGGGCGQFSAPVPLNLIGLKAGRCADYVVTGAWSAKAAEEAKKFGTINIVHPKLGSYTKIPDPSTW  NLNPDASYVYYCANETVHGVEFDFIPDVKGAVLVCDMSSNFLSKPVDVSKFGVIFAGAQKNVGSAGVTVV  IVRDDLLGFALRECPVLEYKVVQAGNSSLYNTPPCFSIYVMGLVLEWIKNNGGAAMEKLSSIKSQTIIYE  IIDNSQGFYVCPVEPQNRSKMNI PFRI GNAKGDDALEKRFLDKALELNMLSLKGHRVSGGIRASLYNAV  IEDVQKLA AFMKK FLEMHQL</p> <p><span style="color: red;">SGP</span><span style="color: green;">TRTRRLEQKLI SEEDLAANDILDYKDDDDKV</span></p>
<b>Species:</b>	Human
<b>Serotype:</b>	AAV-2
<b>ACCN:</b>	NM_058179
<b>ORF Size:</b>	1110 bp
<b>Buffer:</b>	PBS with 0.001% Pluronic F68
<b>Stability:</b>	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
<b>RefSeq:</b>	<u><a href="#">NM_058179.2</a></u>
<b>RefSeq Size:</b>	2221 bp
<b>RefSeq ORF:</b>	1113 bp
<b>Locus ID:</b>	29968
<b>UniProt ID:</b>	<u><a href="#">Q9Y617</a></u>
<b>Cytogenetics:</b>	9q21.2
<b>MW:</b>	40.2 kDa