

Product datasheet for **RC208586A1V**

Human LAT2 (SLC7A8) (NM_012244) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human LAT2 (SLC7A8) (NM_012244) AAV Particle
Tag:	Myc-DDK
Symbol:	LAT2
Synonyms:	LAT2; LPI-PC1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC208586 representing NM_012244
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGAAGGAGCCAGGCACCGAAACACCGAAAAGAAACACCCAGGTGGGGCGAGTCGGACGCCA
 GCCCGAGGCTGGTTCCGGAGGGGGCGAGTAGCCCTGAAGAAAGAGATCGGATTGGTCAGTGCCTGTGG
 TATCATCGTAGGAACATCATCGGCTCTGGAATCTTTGTCTCGCCAAAGGAGTCTGGAGAATGCTGGT
 TCTGTGGGCTTGTCTCATCGTCTGGATTGTGACGGGCTTCATCACAGTTGTGGGAGCCCTCTGCTATG
 CTGAACTCGGGGTCACCATCCCCAAATCTGGAGGTGACTACTCTATGTCAAGGACATCTTCGGAGGACT
 GGCTGGGTTCTGAGGCTGTGGATTGCTGTGCTGGTGATCTACCCACCAACCAGGCTGTCATCGCCCTC
 ACCTTCTCAACTACGTGCTGCAGCCGCTCTTCCACCTGCTTCCCCCAGAGTCTGGCCTTCGGCTCC
 TGGCTGCCATCTGCTTATTGCTCTCATATGGTCAACTGTTCCAGTGTGCGGTGGGCCACCCGGGTTCA
 AGACATCTTCACAGCTGGGAAGCTCCTGGCCTTGGCCCTGATTATCATCATGGGATTGTACAGATATGC
 AAAGGAGAGTACTTCTGGCTGGAGCCAAAGAATGCATTTGAGAATTTCCAGGAACCTGACATCGGCCTCG
 TCGCACTGGCTTTCTTCAGGGCTCCTTTCCTATGGAGGCTGGAACCTTCTGAATTACGTGACTGAGGA
 GCTTGTGATCCCTACAAGAACCTTCCAGAGCCATCTTCATCTCCATCCCACTGGTCACATTTGTGTAT
 GTCTTTGCCAATGTCGCTTATGTCACTGCAATGTCCCCCAGGAGCTGCTGGCATCCAACGCCGTCGCTG
 TGACTTTTGGAGAGAAGCTCCTAGGAGTCATGGCCTGGATCATGCCCATTTCTGTTGCCCTGTCCACATT
 TGGAGGAGTTAATGGGTCTCTTTCACCTCCTCTCGGCTGTTCTTCGCTGGAGCCCGAGAGGGCCACCTT
 CCCAGTGTGTTGGCCATGATCCACGTGAAGCGCTGCACCCCAATCCAGCCCTGCTCTTCACATGCATCT
 CCACCTGCTGATGCTGGTCACAGTGACATGTACACACTCATCAACTACGTGGGCTTCATCAACTACCT
 CTTCTATGGGGTCACGGTTGCTGGACAGATAGTCCTTCGCTGGAAGAAGCCTGATATCCCCCGCCCCATC
 AAGATCAACCTGCTGTTCCCATCATCTACTTGTGTTCTGGGCTTCTGCTGGTCTTCAGCCTGTGGT
 CAGAGCCGGTGGTGTGTGGCATTGGCCTGGCCATCATGCTGACAGGAGTGCCTGTCTATTTCTGGGTGT
 TTAAGTGGCAACAAGCCCAAGTGTTCAGTGAATTCATTGAGCTGCTAACCTGGTGGAGCCAGAAGATG
 TGTGTGGTGTGTACCCGAGGTGGAGCGGGCTCAGGGACAGAGGAGGCTAATGAGGACATGGAGGAGC
 AGCAGCAGCCCATGTACCAACCACTCCACGAAGGACAAGGACGTGGCGGGGACGCCAGCC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MEEGARHRNNTTEKKHPGGGESDASPEAGSGGGVALKKEIGLVSAAGIIVGNIIGSGIFVSPKGVLENAG
 SVGLALIVWIVTGFITVVGALCYAELGVITPKSGGDYSYVKDIFGGLAGFLRLWIAVLVIYPTNQAVIAL
 TFSNYVLQPLFPTCFPPESGLRLAAICLLLLTWVNCSSVRWATRVQDIFTAGKLLALALIIIMGIVQIC
 KGEYFWLEPKNAFENFQEPDIFGLVALAFVQGSFAYGGWNFLNYVTEELVDPYKNLPRAIFISIPLVTFVY
 VFANVAYVTAMSPQELLASNAVAVTFGEKLLGVMAWIMPI SVALSTFGGVNGLFTSSRLFFAGAREGHL
 PSVLAMIHVKRCTPIPALFTCISTLLMLVTSDMYTLINYYGFINYLFYGVTVAGQIVLRWKKPDIPRPI
 KINLLFPIIYLLFWAFLVFLWSEPVVCGIGLAIMLTGVPVYFLGVYQHKPKCFSDFIELLTLVSQKM
 CVVVYPEVERGSGTEANEDMEEQQQPMYQPTPTKDKDVAGQPQP

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_012244

ORF Size:

1605 bp

Buffer:	PBS with 0.001% Pluronic F68
Stability:	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.
RefSeq:	<u>NM_012244.2</u>
RefSeq Size:	4237 bp
RefSeq ORF:	1608 bp
Locus ID:	23428
UniProt ID:	<u>Q9UHI5</u>
Cytogenetics:	14q11.2
MW:	58.2 kDa