

Product datasheet for **SC331224**

LAT3 (SLC43A1) (NM_001198810) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: LAT3 (SLC43A1) (NM_001198810) Human Untagged Clone
Tag: Tag Free
Symbol: LAT3
Synonyms: LAT3; PB39; POV1; R00504
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331224 representing NM_001198810.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCCCCACGCTGCAACAGGCGTACCGGAGGCGCTGGTGGATGGCCTGCACGGCTGTGCTGGAGAAC
CTCTTCTCTCTGCTGTACTCCTGGGCTGGGGCTCCCTGTTGATCATTCTGAAGAACGAGGGCTTCTAT
TCCAGCACGTGCCAGCTGAGAGCAGCACCAACACCACCAGGATGAGCAGCGCAGGTGGCCAGGCTGT
GACCAGCAGGACGAGATGCTCAACCTGGGCTTCACCATGGTTCCCTTCGTGCTCAGGCCACCACCCTG
CCACTGGGGATCCTCATGGACCCTTTGGCCCCGACCCGTGCGGCTGGTTGGCAGTGCCTGCTTCACT
GGTCTGCACCCTCATGGCCCTGGCCTCCCGGACGTGGAAGCTCTGTCTCCGTTGATATTCCTGGCG
CTGTCCCTGAATGGCTTTGGTGGCATCTGCCTAACGTTCACTTCACTCAGCTGCCAACATGTTGGG
AACCTGCGCTCCACGTTAATGGCCCTCATGATTGGCTCTTACGCCTCTTCTGCCATTACGTTCCCAGGA
ATCAAGCTGATCTACGATGCCGGTGTGGCCTTCGTGGTATCATGTTACCTGGTCTGGCCTGGCCTGC
CTTATCTTTCTGAACTGCACCCTCAACTGGCCCATCGAAGCCTTCTGCCCTGAGGAAGTCAATTAC
ACGAAGAAGATCAAGCTGAGTGGGCTGGCCCTGGACCACAAGGTGACAGGTGACCTTCTACACCCAT
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TGCTCCCCCACTTCTGTGGAGCCTCCTCACCATGGGCATGACCCAGCTGCGGATCATCTTCTACATG
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ACTGTCTCGGAGATGCCAGGGACGGGTTGCTACCAAATCCATCAGACCAGCTACTGCAAGATCCAA
AAGCTACCAATGCCATCAGTGCCTTACCCTGACCAACCTGCTGCTTGTGGTTTTGGCATCACCTGT
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TCAGCCTGTGGGAGTCTATGCTGCAGTGTCCCATCCAACCACTTTGGGACGCTGACAGGCTGCAG
TCCCTCATCAGTGTGTTCGCCTTGCTCAGCAGCCACTTTTCATGGCGATGGTGGGACCCTGAAA
GGAGAGCCCTTCTGGGTGAATCTGGGCTCCTGCTATTCTCACTCCTGGGATTCTGTTGCCTTCTAC
CTTTCTATTACCGTGCCCGGCTCCAGCAGGAGTACGCCCAATGGGATGGGCCCACTGAAGGTGCTT
AGCGGCTCTGAGGTGACCGCATAG
  
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Restriction Sites: Sgfl-MluI
ACCN: NM_001198810



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Insert Size:	1680 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001198810.1</u>
RefSeq Size:	2384 bp
RefSeq ORF:	1680 bp
Locus ID:	8501
UniProt ID:	<u>O75387</u>
Cytogenetics:	11q12.1
Protein Families:	Transmembrane
MW:	61.5 kDa
Gene Summary:	<p>SLC43A1 belongs to the system L family of plasma membrane carrier proteins that transports large neutral amino acids (Babu et al., 2003 [PubMed 12930836]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>