

Product datasheet for **SC336091**

SLC43A2 (NM_001284499) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC43A2 (NM_001284499) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC43A2
Synonyms:	LAT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336091 representing NM_001284499. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGACCTACGGGAGTCCACAGGCAATGCAAGCCCATCCGATGCTGTGGCGCTGGACCATGGGGAGGTC
AGCCGAAGGCAACAGCAGGAGCTGCCAACATGTTCCGCGACCTTCGGTCCACGTTTATTGCCTTGATG
ATTGGGTCTACGCCTCTCGGCAGTCACCTTTCCAGGAATCAAGCTCATCTATGATGCTGGTGTCTCC
TTCATCGTCGCTCTGTTGCTGGGCCGGCTGCTCCGGGCTGGTTTCTCAACTGCTTCTTTAACTGG
CCCCTTGAGCCCTTCCCGGGCCGGAGGACATGGAATACTCGGTGAAGATCAAGTTCAGCTGGCTGGGC
TTTGACCACAAGATCACAGGGAAGCAGTTCTACAAGCAGGTGACCACGGTGGGCCGGCGCCTGAGTGTG
GGCAGCTCCATGAGGAGTGCCAAGGAGCAGGTGGCGCTGCAGGAGGGCCACAAGCTGTGCCTGTCCACC
GTGCACTGGAGGTGAAGTGCCAGCCGGATGCCGAGTGGCCCCCTCTTCATGCACAGCGTGTTCAGC
CCCATCCTGCTGCTCAGCCTGGTCACCATGTGCGTCACGCAGCTGCGGCTCATCTTACATGGGGGCT
ATGAACAACATCTCAAGTTCTGGTCAGCGGCGACCAGAAGACAGTTGGCCTCTACACCTCCATCTTC
GGCGTGTCCAGCTGCTGTGCCTGCTGACGGCCCCGTCATTGGCTACATCATGGACTGGAGGCTGAAG
GAGTGTGAAGACGCCTCCGAGGAGCCCGAGGAGAAAGACGCCAACCAAGGCGAGAAGAAAAAGAAGAAG
CGGGACCGGCAGATCCAGAAGATCACTAATGCCATGCGGGCCTTCGCCTTACCAACCTGCTGCTCGTG
GGCTTTGGGTGACCTGCCTCATTCCCAACCTGCCTCTCCAGATCCTCTCCTTCATCCTGCACACAATC
GTGCGAGGATTATCCACTCCGCTGTCCGGGGCCTGTACGCTGCCGTGTACCCCTCCACCCAGTTCCGGC
AGCCTCACGGGACTGCAGTCTCTGATCAGCGCGCTCTTCGCCCTTCTGCAGCAGCGCTGTTTCTGGCC
ATGATGGGTCTCTCCAGGGAGACCCTCTGTTGGTGAACGTGGGGCTGCTCCTTCTCAGCCTGCTGGGC
TTCTGCCTCCCGCTCTACCTGATCTGCTACCGGCGCCAGCTGGAGCGGCAGCTGCAGCAGAGGCAGGAG
GATGACAACTCTTCTCAAAATCAACGGCTCGTCCAACAGGAGGCCTTCGT**TAG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001284499
Insert Size:	1299 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:	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_001284499.1</u>
RefSeq Size:	7872 bp
RefSeq ORF:	1299 bp
Locus ID:	124935
UniProt ID:	<u>Q8N370</u>
Cytogenetics:	17p13.3
Protein Families:	Transmembrane
MW:	48 kDa
Gene Summary:	This gene encodes a member of the L-amino acid transporter-3 or SLC43 family of transporters. The encoded protein mediates sodium-, chloride-, and pH-independent transport of L-isomers of neutral amino acids, including leucine, phenylalanine, valine and methionine. This protein may contribute to the transfer of amino acids across the placental membrane to the fetus. [provided by RefSeq, Mar 2016] Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. This variant also lacks an alternate in-frame exon in the coding region compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.