

Product datasheet for **SC317424**

SLC66A1 (NM_017765) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC66A1 (NM_017765) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC66A1
Synonyms:	LAAT-1; LAAT1; PQLC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317424 representing NM_017765. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTCTGGAAGAACTGGGCTCCCGCAACTTCTCCAGCTGCCCCAGTGGCTCCATCCAGTGGATATGG
GATGTGTTGGGTGAATGTGCCAGGACGGCTGGGACGAGGCCAGCGTGGGCCTGGGCTTGATCTCCATT
CTCTGCTTTGCTGCATCTACCTTCCCCAGTTCATCAAAGCCTACAAGACGGGCAACATGGACCAGGCG
CTGTCCCTGTGGTTCTCCTGGGCTGGATTGGCGGAGACTCCTGCAACCTCATCGGCTCCTTCTTGCT
GACCAGCTGCCCTGCAGACCTACACGGCTGTGTATTATGTCTTGGCAGACCTGGTGATGCTGACGCTG
TACTTTTACTACAAGTTCAGGACGCGCCCTCTCTGTTGTCTGCCCCATCAACTCCGTGCTGTTGTTTC
CTCATGGGATGGCGTGCACCACCCGCTGCTGAGTGCTGCTGGGCCCGTGGCTGCCCTAGGGAAGCC
TTCGGGGGGCGGGCGCTCCTGTCCGTGGAGTCGGGCAGCAAGCCCTTACCCGGCAGGAAGTCATTGGC
TTGTCATCGGCTCCATCTCCAGCGTGTGTACCTGCTTTCCCGGCTGCCTCAGATCCGCACCAACTTC
CTCCGGAAGTCCACCCAGGGGATCTCCTACTCTCTGTTCCGCGTGGTGATGCTGGGGAACACGCTGTAT
GGGCTGAGCGTGTGCTCAAAAACCCGAGGAGGGCCAGAGCGAGGGCAGCTACCTGCTGCACCACCTG
CCCTGGCTTGTTGGCAGCCTGGGCGTGTGCTGCTCGACACCATCATCTCCATCCAGTTCCTGGTGTAC
AGGCGCAGCACCCCGCCTCGGAGCTTGAGCCCTCCTCCCCAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_017765
Insert Size:	876 bp



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_017765.2</u>
RefSeq Size:	1909 bp
RefSeq ORF:	876 bp
Locus ID:	54896
UniProt ID:	<u>Q6ZP29</u>
Cytogenetics:	1p36.13
Domains:	CTNS
Protein Families:	Transmembrane
MW:	31.9 kDa
Gene Summary:	<p>Amino acid transporter that specifically mediates the pH-dependent export of the cationic amino acids arginine, histidine and lysine from lysosomes.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate segment in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (1).</p>