

Product datasheet for **SC310921**

SLC66A1 (NM_001040125) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC66A1 (NM_001040125) Human Untagged Clone
Tag: Tag Free
Symbol: SLC66A1
Synonyms: LAAT-1; LAAT1; PQLC2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001040125 edited
ATGGTCTGGAAGAACTGGGCTCCCGCAACTTCTCCAGCTGCCCCAGTGGCTCCATCCAG
TGGATATGGGATGTGTTGGGTGAATGTGCCAGGACGGCTGGGACGAGGCCAGCGTGGGC
CTGGGCTTGATCTCCATTCTCTGCTTTGCTGCATCTACCTTCCCCAGTTCATCAAAGCC
TACAAGACGGGCAACATGGACCAGGCGCTGTCCCTGTGGTTCTCCTGGGCTGGATTGGC
GGAGACTCTGCAACCTCATCGGCTCCTTCTTGTGACCAGCTGCCCTGCAGACCTAC
ACGGCTGTGATTATGTCTTGGCAGACCTGGTGTGCTGACGCTGACTTTTACTACAAG
TTCAGGACGCGCCCTCTCTGTTGTCTGCCCCATCAACTCCGTGCTGTTGTTCCATG
GGGATGGCGTGCACCACCGCTGCTGAGTGTGCTGGGCCGTTGGCTGCCCTAGGGAA
GCCTTCCGGGGGGCGGCTCCTGTCCGTGGAGTCGGGCAGCAAGCCCTTCAACCCGGCAG
GAAGTCATTGGCTTCGTCATCGGCTCCATCTCCAGCGTGTGTACCTGCTTCCCGGCTG
CCTCAGATCCGCACCAACTTCTCCGGAAGTCCACCCAGGGGATCTCCTACTCTCTGTTC
GCGCTGGTGTGCTGGGGAACACGCTGTATGGGCTGAGCGTGTGCTCAAAAACCCCGAG
GAGGGCCAGAGCGAGGGCAGCTACCTGCTGCACCACCTGCCCTGGCTTGTGGGCAGCCTG
GGCGTGTGCTGCTCGACACCATCATCTCCATCCAGTTCCTGGTGTACAGGCGCAGCACC
GCCGCTCGGAGCTTGAGCCCTCCTCCCCAGCTGA

Restriction Sites: Please inquire

ACCN: NM_001040125

Insert Size: 1600 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).



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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:	NM_001040125.1 , NP_001035214.1
RefSeq Size:	2279 bp
RefSeq ORF:	876 bp
Locus ID:	54896
UniProt ID:	Q6ZP29
Cytogenetics:	1p36.13
Protein Families:	Transmembrane
Gene Summary:	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] Transcript Variant: This variant (1) encodes the longest isoform (1).