

Product datasheet for **SC334212**

SLC66A1 (NM_001287531) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC66A1 (NM_001287531) 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:	>NCBI ORF sequence for NM_001287531, the custom clone sequence may differ by one or more nucleotides

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ATGCTGACGCTGTACTTTACTACAAGTTCAGGACGCGCCCTCTCTGTTGTCTGCCCCATCAACTCCG
TGCTGTTGTTCTCATGGGGATGGCGTGCACCACCGCTGCTGAGTGTCTGGGCCCGTGGTGCCCG
TAGGGAAGCCTTCCGGGGCGGGCGCTCCTGTCCGTGGAGTCGGGCAGCAAGCCCTTACCCGGCAGGAA
GTCATTGGCTTCGTATCGGCTCCATCTCCAGCGTGTGTACCTGCTTCCCGGCTGCCTCAGATCCGCA
CCAACCTCCTCCGGAAGTCCACCCAGGGGATCTCCTACTCTGTTCGCGCTGGTGTATGCTGGGAAACAC
GCTGTATGGGCTGAGCGTGTCTCAAAAACCCGAGGAGGGCCAGAGCGAGGGCAGCTACCTGCTGCAC
CACCTGCCCTGGCTTGTGGGCAGCCTGGGCGTGTCTGCTCGACACCATCATCTCCATCCAGTTCTCTGG
TGTACAGGCGCAGCACCCGCCCTCGGAGCTTGAGCCCTCCTCCCCAGCTGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001287531
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).



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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: [NM_001287531.1](#), [NP_001274460.1](#)

RefSeq Size: 1636 bp

RefSeq ORF: 543 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 (4) lacks an alternate segment in the 5' UTR, an alternate exon, and uses an alternate splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (3) is shorter at the N-terminus compared to isoform 1.