

Product datasheet for **RN203887**

Slc36a1 (NM_130415) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc36a1 (NM_130415) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc36a1
Synonyms:	Lyaat1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN203887 representing NM_130415
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCACACAGAGGCTTCGGAACGAAGACTATCATGACTACAGTTCCTACTGACGTGAGCCCGAGGAGA
 GCCCATCTGAAGGCCTCGGGAGCTTCTCCCCGGCTCCTACCAGCGCTTAGGAGAGAACAGTAGCATGAC
 ATGTTTCCAGACCCTGATCCACCTGCTAAAAGGCAACATCGGCACCGGGCTGCTGGGGCTGCCTCTAGCA
 GTGAAGAATGCAGGCCTTTGTTGGGCCCTCTCAGCCTGCTGGTATTGGCATCGTGGTGTGCACTGCA
 TGGGCATCCTGGTGAAGTGCCTCATCACTTGTGTCGGAGACTGAACAAACCTTTCTGGACTATGGGGA
 CACGGTGTATGGACTAGAATGCAGCCCCAGCACCTGGATTCCGAACCACTCCACTGGGGAAGGCGC
 ATCGTGGACTTCTCCTCGTCGCTACTCAGCTGGGTTTCTGCTGCGTCTACTTTGTGTTTCTGGCAGACA
 ACTTTAAACAGGTGATAGAGGCAGCCAACGGGACCACCACCAACTGCAACAACAATGAGACCGTGATCCT
 AACGCCACCATGGACTCTCGACTCTACATGCTCACTTTCTGCCCTTCTGGTGTGCTGTCTTTTCATC
 AGGAACCTGCGTATCTTGTCCATCTTCCCTGCTGGCCAACATCAGCATGTTTCGTAGCCTTATCATGA
 TATACCAGTTCATTGTCCAGAGGATCCCAGACCCAGCCACCTCCCTTGGTGGCTCCATGGAAGACCTA
 CCCTCTGTTCTTTGGCACAGCGATTTTTGCTTTGGAAGGCATTGGAGTGGTGTACCCCTTGAGAACAAA
 ATGAAGGACTCACAGAAATTTCCACTGATCCTGTATTTGGGGATGGCTATCATCACTGTGCTCTACATCA
 GCCTGGGGAGCCTGGGGTACCTGCAGTTTGGAGCTGATATCAAGGCAGCATCACACTCAACCTGCCCAA
 CTGCTGGTGTACCAGTCGGTGAAGCTGCTGTACTCCATAGGCATCTTCTTACGATGCGCTCCAGTTT
 TATGTCGACGTGAGATCATCATCCAGCCATTGTGTCGGAGTGCCTGAACGTTTCGAGCTGGTGGTGG
 ACCTCAGTGTGCGCACTGCCATGGTCTGTGTGACATGTGTTCTGGCCGTCCTCATCCCCCGCTGGACCT
 GGTTCATCTCCCTGGTGGGCTCTGTGAGCAGCAGCGCCCTGGCCCTCATCATCCCACCCCTGCTGGAGGTG
 ACCACCTACTATGGAGAGGGCATTAGTCCCTGACCATACCAAGGATGCCCTCATCAGCATCCTAGGCT
 TCGTGGGCTTCGTGGTGGGACCTATGAGTCTCTGTGGGAGCTAATCCAGCCAAGCCATAGCGACTCCTC
 TACCAATTCACCAGTGCCTTCAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_130415
- Insert Size:** 1428 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: [NM_130415.1](#), [NP_569099.1](#)

RefSeq Size: 1824 bp

RefSeq ORF: 1428 bp

Locus ID: 155205

UniProt ID: [Q924A5](#)

Cytogenetics: 10q22

Gene Summary: transports neutral amino acids and cotransports protons; may mediate active efflux of amino acids from lysosomes [RGD, Feb 2006]