

Product datasheet for RN213692

Slc31a1 (NM_133600) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc31a1 (NM_133600) Rat Untagged Clone
Tag: Tag Free
Symbol: Slc31a1
Synonyms: Ctr1; LRRGT00200
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213692 representing NM_133600
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGATGAACCACATGGAGATGCATCATATGGGGATGAACCACACGGACGACAACATCACCATGCCAC
CCCACCAGCACCCACCCTCGGCCTCACACTCCACGAGATGATGATGCCTATGACCTTCTACTTTGG
CTTTAAGAATGTGGACCTATTGTTTTCCAGTTTGGTAATCAACACACCTGGAGAAATGGCTGGAGCTTTT
GTGGCAGTGTCTTACTAGCAATGTTTTATGAAGGACTCAAGATAGCCCGAGAGGGTCTGCTTCGAAAGT
CTCAAGTCAGCATTTCGCTACAATTCATGCCTGTGCCAGGACCAATGGAACCATCCTTATGGAGACACA
CAAACCTGTTGGGACGAGATGCTGAGCTTCCCCACCTCCTGCAGACAGTGTGCACATCATCCAAGTA
GTCATCAGCTACTTCTCATGCTCATCTTCATGACCTACAATGGGTACCTATGCATTGCAGTAGCCGAG
GGGCTGGGACAGGATACTTTCTCTTCAGCTGGAAGAAGGCTGTGGTGGGACATCACAGAGCACTGCCA
T**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_133600
Insert Size: 564 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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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_133600.1</u> , <u>NP_598284.1</u>
RefSeq Size:	1423 bp
RefSeq ORF:	564 bp
Locus ID:	171135
UniProt ID:	<u>Q9JK41</u>
Cytogenetics:	5q24
Gene Summary:	high-affinity copper uptake gene; essential for intracellular copper metabolism [RGD, Feb 2006]