

Product datasheet for **RN203701**

Slc30a1 (NM_022853) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc30a1 (NM_022853) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc30a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203701 representing NM_022853
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCTGCTGGGCGCAACCGCGCCGGCTGCTGTGCATGCTGCTGCTGACCTTCATGTTTCATGGTGC
 TGGAGGTGGTGGTGAGCCGGGTGACCGCGTCGCTCGCCATGCTGTCCGACTCCTTCCACATGCTGTGCGA
 CGTGTGGCGCTCGTGGTGGCGCTGGTGGCCGAGCGCTTCGCCCGGAGGACTCACGCCACGAGAAGAAC
 ACATTCGGCTGGATCCGCGCTGAGGTGATGGGCGCGCTGGTGAACGCCATCTTCTCACGGGGCTGTGCT
 TCGCCATCTGCTGGAAGCCGTCGAGCGCTTCATCGAGCCGATGAGATGCAGCAGCCGCTCGTGGTGT
 TAGCGTCGGCGTGGCGGGCTGCTAGTCAACGTGCTGGGGCTCTGCCTGTTCCACCACCACAGCGGCGAG
 GGCCAGGGCGCAGGCCACGGCCACTCGCACGGCCACGGCCACGGCCACCTCGCCAAGGGCGCGCAAGG
 CGGGCCGCGCGGGGGCGAAGCGGGCGCGCCGGGGCCGGGCGCCGACCAGGAGCCGGACCAGGAGGA
 GACCAACACGCTAGTGGCTAACACCAGCAATCCAACGGGCTGAAGGCGGACCAGGCAGAGCCAGAGAAG
 TTGAGAAGTGATGATCCAGTGGATGTACAGGTAATGGGAATTCATCCAGGAGTCAGACAGTCTGGAAT
 CAGAAGACAACAGGGCTGGACAGCTGAACATGCGAGGAGTGTTCCTGCACGTCCTTGAGATGCCCTGGG
 CTCTGTGATCGTTGTTGTGAATGCCTTGGTCTTACTTTTCTGGAAGGGTTGTAAGACGACTTT
 TGTGTGAACCCGTGTTTTCTGATCCCTGCAAATCGTCTGTAGAGCTGATGAACAGCACCCAGGCCCCCA
 TGCACGAGGCTGGTCCGTGCTGGGTCTTACCTAGATCCAACCTGTGCATTATAATGGTTTGTACT
 TCTTTACACGACGTACCCACTGCTCAAGGAGTCCGCTCTCATTCTTCTACAGACTGTTCTAAGCAAAT
 GATATCAAACATTTGGTAAAAGAGCTACGAGATGTTGAAGGAGTGGAGGAAGTCCATGAGTTACACGTCT
 GGCAGCTCGCCGGAAGCAGGATCATCGCCACTGCTCATATAAAATGTGAAGACCCAGCTCATACATGCA
 GGTGGCCAAAACCATTAAGATGTTTTTACAATCATGGAATTCAGCCACCACCATCCAGCCTGAATTC
 GCTAGCGTAGGCTCTAAATCAAGTGTGCTCCCGTGTGAGCTCGCCTGCAGAACTCAGTGTGCTTTGAAGC
 AGTGTGTGGGACACGGCCACAGGTCCATTCTGGAAAGGAGGCAGAGAAGGCTCCAACAGTTAGCATTTCT
 TTGTTTGAAGACTCAGTGAACCTAGAGAAGAAGCCAGGAGGACTAAAGCTGAAGGCAGTGTCCCGCT
 GTGGTGATAGAGATTAATAATGTGCCAAACAACAGCCGAATCATCTTTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_022853
Insert Size: 1524 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<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_022853.2</u> , <u>NP_074044.1</u>
RefSeq Size:	2610 bp
RefSeq ORF:	1524 bp
Locus ID:	58976
UniProt ID:	<u>Q62720</u>
Cytogenetics:	13q27
Gene Summary:	zinc-binding carrier molecule; may function to transport zinc out of the cell [RGD, Feb 2006]