

## Product datasheet for **MC203604**

### Slc30a1 (NM\_009579) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc30a1 (NM_009579) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc30a1
Synonyms:	AI839647; C130040I11Rik; Znt1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC052166  
 GACGGCGGACGCCTCCGGGCCGAGCGCAGTCGCCGCGGACGCCGTCTCCCGAGCGCTTCGGTCCGATGCT  
 CGGCAGCCCTCGGCACGCAGTGGCCCGCCGCGCCCTCCGCCTCGCCAGCCAGCCGAGCGCCGGCGCTT  
 GAGTAGCTGCGCGCCGGCGGTTTCCCCACAGCGCCGCTCCCCTTCCCGCGTCAGCGCCGAGCCTCAGGC  
 CGCCGCATGGGCTGCTGGGGCCGAACCGCGCCGGCTGCTGTGCATGCTGCTGCTGACCTTCCACATGC  
 ATGGTGCTGGAGGTGGTGGTGAACCGGGTGACCCGCTCGCCATGCTGTCCGACTCCTTCCACATGC  
 TGTCGGACGTGCTGGCGCTCGTAGTGGCGCTGGTGGCCGAGCGCTTCGCCCGGAGGACTACGCCACGCA  
 GAAGAACACGTTTCGGCTGGATCCGCGCTGAGGTGATGGGCGCACTGGTGAACGCCATCTTCCTCACGGGG  
 CTGTGCTTCGCCATCCTGCTGGAAGCCGTCGAGCGCTTTCATCGAGCCGATGAGATGCAGCAGCCGCTCG  
 TGGTGCTGAGCGTCGGCGTGGCGGGGCTGCTGGTCAACGTGCTGGGGCTGTGTCTGTTCCACCATCACAG  
 CGGCGAGGGCCAGGGCGCGGGCCACGGCCACTCGCACGGCCACGGCCACGGCCACCTCGCCAAGGGCGCG  
 CGCAAGGCGGGCCGCGCGGGGTGAGGGCGGGCGCCCGGGCCGGCCGCGGACCAGGAGGAGACCA  
 ACACGCTGGTGGCAACACCAGCAATCCAACGGGCTGAAGGCGGACCAGGCAGAGCCAGAAAAATTGAG  
 AAGTGATGACCCAGTGGATGTACAAGTAAATGGGAATCTCATCCAGGAGTCTGACAATCTGGAAGCGGAA  
 GACAACAGGGCTGGGCAGCTGAATATGCGAGGAGTGTCTTCTGCAGTCTTGGAGATGCCTTGGGCTCCG  
 TGATCGTGGTCTGAATGCCTTGGTCTTTTACTTTAACTGGAAGGTTGTACTGAAGACGACTTTTGTAC  
 GAACCCGTGTTTTCTGATCCCTGCAAATCGTCTGTAGAGATAATTAACAGCACCCAGGCCCCGATGCGT  
 GACGCTGGCCATGCTGGGTGCTTACCTAGACCCAACCCTTTGTATTATAATGGTTTGTATACTTCTGT  
 ACACGACTTACCCATTGCTCAAGGAGTCTGCTCTCATTCTTACAAACTGTCCCTAAGCAAATCGATAT  
 CAAACACTTGGTAAAAGAGCTTCGAGACGTTGACGGCGTTGAGGAAGTCCATGAGCTACATGTCTGGCAG  
 CTGGCGGGAAGCAGGATCATCGCCACTGCCACATAAAATGTGAGGACCCCGCTTCTACATGCAGGTGG  
 CCAAGACCATTAAGATGTCTTTCATAATCATGGAATCCACGCTACCACCATCCAGCCTGAATTCGCTAG  
 CGTCGGCTCTAAGTCAAGTGTGCTCCCGTGTGAGCTCGCCTGCAGAACTCAGTGTGCCCTGAAGCAGTGC  
 TGGCGGACACGGCCACAGGTGCATTCTGGGAAGGATGCAGAGAAGGCGCCAACAGTTAGCATTTCTTGTT  
 TAGAACTCAGTGAGAATCTAGAGAAGAAGGCCAGGAGGACTAAAGCTGAAGGCAGTCTCCCTGCTGTGGT  
 GATAGAGATTA AAAACGTGCCAAACAAACAGCCGAATCATCTTTGTGAGTCTTGAAAAAGATGTGATAT  
 TTGACTTTTGCTTTTAACTGCAAGAGAAAAATAGACTCCATTGAAATACTAAGTTTGCCAAGTAGTGTA  
 TTGAAGTCTTGTCTGGTCGCACAGTTAATTCTATTTTTGTAAGAACATAATGGAAGTGCCTAATAGAG  
 AGTGCTACATTGCAGCCTTGTGATTCTTAGTGCATAGTGCAGCTATGCTGGAACACGTTTGAAGCCAGT  
 TTTAACACTATGTTACATTTTGTAAAGTAAGTATAAATCTTATATGACATAATGAAATTTGATTCTCT  
 GGTTCCTATGATAAAAATTAGGGGATAAATAAATTTGTTACTGGAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_009579

**Insert Size:** 1512 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:** [BC052166](#), [AAH52166](#)

**RefSeq Size:** 2099 bp

**RefSeq ORF:** 1512 bp

**Locus ID:** 22782

**UniProt ID:** [Q60738](#)

**Cytogenetics:** 1 97.01 cM

**Gene Summary:** May be involved in zinc transport out of the cell. Lethality of knockout early in gestation suggests a role of the protein in fetal zinc acquisition and retention.[UniProtKB/Swiss-Prot Function]