

## Product datasheet for **MC219107**

### **Slc30a9 (NM\_178651) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc30a9 (NM_178651) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc30a9
Synonyms:	2310024J23Rik; AL024256; GAC63; HUEL; znT-9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219107 representing NM\_178651  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTTCCGGCTTGGCCGCCGCCGCCGGCGGCACAGGTGCAGCTGGGCGCGCTGTGCAGGCTCGGTG  
 GCGGCCGGGCAGCGACCCGCGGCCGAGCCAGGGATGGAAGAATGTAATGACATTTGAAAGCTTTACATA  
 TGTGGTCCCGACATTCACCCACATTTATCTATTATAAATCAAGTCAAGTTGACTCTACGAATGCCAG  
 AAAGGAGGGCAGGGCTCACAGACTCCAAAAGCTGACAAAGTCCCATCACTTACACAAACAGTAGAAAATA  
 TAGGGCGAGAACTCAAAGCTCCACTTAAGCAAGACCCCTCTCCAAGTAAGAGTCAAAGCAGTCCTTAAGAA  
 AAGGGATTATGGATCAAATACTAAGAATAATTTCACTGGAGTGAGAGCAATAAACGAGTCTCTGC  
 CTTAAGTCCAGTGATTTAGAACAATTCGAAAAATCAGGCGGCGAAGTCCCACGATGACACCGAGTCTCT  
 TACTGTGTTCTTGGAGTCAAGTGTGGAAGCAAAGCTTTGGAAGTTGGGAAGCCTTGAAGCTCTTGC  
 CAGAGAGAAAAAATTGCGTAAAGAAGCAGAAATAGAATACAGAGAACGGCTATTTAGAAACCAAAGATA  
 TTAAGAGAATATGGTGATTTCTTGGGAAACACAAGCCACGTTCCAGAGCGGTCTCAGTGTCTCTTAAGG  
 GACCAGGAAAAGTGGTCATGGTTGCTATTTGCATTAATGGCTTAAACTGCTTCTTAAATTTCTTGCCCTG  
 GATTTATACGGGTTACGCAAGTATGTTCTCAGAAGCTATACACTCATTATCTGATACTTGTAAACCAGGGC  
 TTGCTAGCACTGGGCATCAGCAAATCTGTTCAAACACCAGATCCTTCTCACCCGACGGCTTTTCAAATA  
 TGCGCTATATTTCTTCAATTGATTAGTGGTGTGGTATTTTCATGATGGGCGCAGGACTCTCTTGGTATCA  
 TGGAAATCATGGGATTACTTCATCCTCAACCAATGGAATCCCTGCTATGGGCATATTGTATTTAGCAGGA  
 TCTTTGGTGTCTGAAGGAGCAACACTTCTCGTTGCCATAAATGAAGTTCGAGGAGCGCGCAGGCCAAGG  
 GCACGACATTTTATAAGTATGTCATGGAAGTCTGATCCGAGTACAAATGTTATTTCTATTGGAGGACAC  
 TGCAGCTGTCTTAGGAGTGATAATAGCGGCTACCTGCATGGGCCTTACCTCCATAACAGGCAATCCACTG  
 TATGACAGCCTGGGTTCTTGGGTGTAGGCACCTTACTAGGTGTGGTCTCGGCATTCTCATCTATACCA  
 ACACAGAAGCACTCCTAGGACGCTCCATCCAACCGGAGCAAGTGCAGCGGCTTACTGAACTCCTGGAGAG  
 CGACCCGTCAGTAAGGGCAATCCATGATGTTAAAGCCACAGATTTGGGATTAGGGAAAGTCAAGTTTAAAG  
 GCAGAAGTTGATTTGATGGACGAGTGTACGAGATCATATTTGAAAAGCAAGATTTGACCAAATGA  
 TGCAAGAAATCAAGAAGTGAAGACTCCTGAACAATTAGAAGCCTTTATGCTTAAACATGGAGAAAAATAT  
 TATTGATACTCTAGGAGCTGAAGTAGACAGACTTGAGAAAAGCTGAAAAACGAAACCCCTGAAGTTCGG  
 CACGTAGACCTTGAGATCCTA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_178651
- Insert Size:** 1704 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\\_178651.4](#), [NP\\_848766.2](#)

**RefSeq Size:** 3410 bp

**RefSeq ORF:** 1704 bp

**Locus ID:** 109108

**UniProt ID:** [Q5IRJ6](#)

**Cytogenetics:** 5 C3.1

**Gene Summary:** Acts as a zinc transporter involved in intracellular zinc homeostasis (By similarity). Functions as a secondary coactivator for nuclear receptors by cooperating with p160 coactivators subtypes (PubMed:15988012). Plays a role in transcriptional activation of Wnt-responsive genes (PubMed:17344318).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).