

## Product datasheet for **SC333167**

### SLC39A1 (NM\_001271959) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SLC39A1 (NM\_001271959) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SLC39A1  
**Synonyms:** ZIP1; ZIRTL  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333167 representing NM\_001271959.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGGGCCCTGGGGAGAGCCAGAGCTCCTGGTGTGGCGCCCCGAGGCGGTAGCTTCAGAGCCTCCAGTG
CCTGTGGGGCTGGAGGTGAAGTTGGGGCCCTGGTGTGCTGCTGGTGTGCTCACCTCCTGCGAGCCTG
GTGCCATCTGTGTGCTGCGCCGCCAGGAGCTAACCATGAAGGCTCAGCTTCCCAGCAAGCCCTG
AGCCTAGTAAGCTGTTTCGCGGGGGGCGTCTTTTGGCCACTTGTCTCCTGGACCTGCTGCCTGACTAC
CTGGCTGCCATAGATGAGGCCCTGGCAGCCTTGCACGTGACGCTCCAGTCCCAGTCAAGAGTTTCATC
CTGGCCATGGGCTTCTTCTGGTCTGGTATGGAGCAGATCACACTGGCTTACAAGGAGCAGTCAGGG
CCGTACCTCTGGAGAAACAAGGGCTCTGCTGGGAACAGTGAATGGTGGCCCGCAGCATTGGCATGAT
GGGCCAGGGTCCCACAGGCGAGTGGAGCCCCAGCAACCCCTCAGCCTTGCCTGCTGTACTGGTG
TTCTCCCTGGCCCTCCACTCCGTGTTTCGAGGGGCTGGCGGTAGGGCTGCAGCGAGACCGGGCTCGGGCC
ATGGAGCTGTGCCTGGCTTTGCTGCTCCACAAGGGCATCTGGCTGTGAGCCTGTCCCTGCGGCTGTTG
CAGAGCCACCTTAGGGCACAGGTGGTGGCTGGCTGTGGGATCCTTCTCATGCATGACACCTCTAGGC
ATCGGGCTGGGTGCAGCTCTGGCAGAGTCGGCAGGACCTTGCACCAGCTGGCCAGTCTGTGCTAGAG
GGCATGGCAGCTGGCACCTTTCTCTATACACCTTTCTGAAATCCTGCCCCAGGAGCTGGCCAGTTCT
GAGCAAAGGATCCTCAAGGTCATTCTGCTCCTAGCAGGCTTGGCCCTGCTCACTGGCCTGCTCTTCATC
CAAATCTAG
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271959  
**Insert Size:** 975 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\\_001271959.1](#)

**RefSeq Size:** 2324 bp

**RefSeq ORF:** 975 bp

**Locus ID:** 27173

**UniProt ID:** [Q9NY26](#)

**Cytogenetics:** 1q21.3

**Protein Families:** Transmembrane

**MW:** 34.2 kDa

**Gene Summary:** This gene encodes a member of the zinc-iron permease family. The encoded protein is localized to the cell membrane and acts as a zinc uptake transporter. This gene has been linked to prostate cancer, breast cancer, and Alzheimer's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]  
Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, 4 and 5 encode the same protein (isoform a).