

Product datasheet for **SC333166**

SLC39A1 (NM_001271958) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: SLC39A1

Synonyms: ZIP1; ZIRTL

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF: >SC333166 representing NM_001271958.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGGGCCCTGGGGAGAGCCAGAGCTCCTGGTGTGGCGCCCGAGGCGGTAGCTTCAGAGCCTCCAGTG
CCTGTGGGGCTGGAGGTGAAGTTGGGGCCCTGGTGTGCTGCTGGTGTGCTCACCTCCTCTGCAGCCTG
GTGCCATCTGTGTGCTGCGCCGCCAGGAGCTAACCATGAAGGCTCAGCTTCCCGCCAGAAAGCCCTG
AGCCTAGTAAGCTGTTTCGCGGGGGCGTCTTTTGGCCACTTGTCTCCTGGACCTGCTGCCTGACTAC
CTGGCTGCCATAGATGAGGCCCTGGCAGCCTTGACGTGACGCTCCAGTTCCTCAAGAGTTTCATC
CTGGCCATGGGCTTCTTCTGCTCCTGGTGTGATGGAGCAGATCACTGGCTTACAAGGAGCAGTCAGGG
CCGTACCTCTGGAGGAAACAAGGGCTCTGCTGGGAACAGTGAATGGTGGGCCGAGCATTGGCATGAT
GGGCCAGGGTCCACAGGCGAGTGGAGCCCCAGCAACCCCTCAGCCTTGGTGGCTGTGTACTGGTG
TTCTCCCTGGCCCTCCACTCCGTGTTTCGAGGGGCTGGCGGTAGGGCTGCAGCGAGACCGGGCTCGGGCC
ATGGAGCTGTGCCTGGCTTTGCTGCTCCACAAGGGCATCCTGGCTGTGACCTGTCCCTGCGGCTGTTG
CAGAGCCACCTTAGGGCACAGTGGTGGCTGGCTGTGGGATCCTTCTCATGCATGACACCTCTAGGC
ATCGGGCTGGGTGCAGCTCTGGCAGAGTCGGCAGGACCTCTGCACCAGCTGGCCAGTCTGTGCTAGAG
GGCATGGCAGCTGGCACCTTTCTCTATATCACCTTTCTGGAATCCTGCCCCAGGAGCTGGCCAGTTCT
GAGCAAAGGATCCTCAAGGTCACTTCTGCTCCTAGCAGGCTTTGCCCTGCTCACTGGCCTGCTCTTCATC
CAAATCTAG

Restriction Sites: SgfI-MluI

ACCN: NM_001271958

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001271958.1
RefSeq Size:	2155 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 (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, 4 and 5 encode the same protein (isoform a).