

Product datasheet for **RC233645**

SLC39A9 (NM_001252148) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC39A9 (NM_001252148) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SLC39A9
Synonyms: ZIP-9; ZIP9
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233645 representing NM_001252148
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATGATTTTCATCTCCATTAGCCTGCTGTCTCTGGCTATGTTGGTGGGATGTTACGTGGCCGGAATCA
TCCCTTGGCTGTTAATTTCTCAGAGGAACGACTGAAGCTGGTGACTGTTTTGGGTGCTGGCCTTCTCTG
TGGAACTGCTCTGGCAGTCATCGTCCGAAGGAGTACATGCCCTTATGAAGATATTCTTGAGGGAAAA
CACCACCAAGCAAGTAAACACATAATGTGATTGCATCAGACAAAGCAGCAGAAAAATCAGTTGTCCATG
AACATGAGCACAGCCACGACCACACAGCTGCATGCCTATATTGGTGTTCCTCGTTCTGGGCTTCGT
TTTCATGTTGCTGGTGGACCAGATTGGTAACTCCCATGTGCACTTACTGACGCTGATGGTGTGCTTTG
GGAGCAGCAGCATCTACTTCACAGACCAGTGTCCAGTTAATTGTGTTTGTGGCAATCATGCTACATAAGG
CACCAGCTGCTTTTGGACTGGTTTCCTTCTTGATGCATGCTGGCTTAGAGCGGAATCGAATCAGAAAGCA
CTTGCTGGTCTTTGCATTGGCAGCACCAGTTATGTCCATGGTGACATACTTAGGACTGAGTAAGAGCAGT
AAAGAAGCCCTTTCAGAGGTGAACGCCACGGGAGTGGCCATGCTTTTCTCTGCCGGGACATTTCTTTATG
TTGCCACAGTACATGTCTCCCTGAGGTGGCGGAATAGGGCACAGCCACAAGCCCGATGCCACGGGAGG
GAGAGGCCCTCAGCCGCCGGAAGTGGCAGCCCTGGTCTGGGTTGCCCTATCCCTCTCATCTGTGATG
GGACACCAGCAT

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**



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Protein Sequence: >RC233645 representing NM_001252148
 Red=Cloning site Green=Tags(s)

MDDFISISLLSLAMLVGCYVAGIIPLAVNFSEERLKLVTVLGAGLLCGTALAVIVPEGVHALYEDILEGK
 HHQASETHNVIASDKAAEKSVVHEHEHSHDHTQLHAYIGVSLVLGFVFMLLVDQIGNSHVHSTADGVAL
 GAAASTSQTSVQLIVFVAIMLHKAPAAFGLVSLMHAGLERNRIRKHLVFAAAPVMSMVTYLGLSKSS
 KEALSEVNATGVAMLF SAGTFLYVATVHVLPEVGGIGHSHKPDATGGRGLSRLEVAALVLGCLIPILISV
 GHQH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001252148

ORF Size: 852 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001252148.2](#)

RefSeq Size: 5369 bp

RefSeq ORF: 855 bp

Locus ID: 55334

UniProt ID: [Q9NUM3](#)

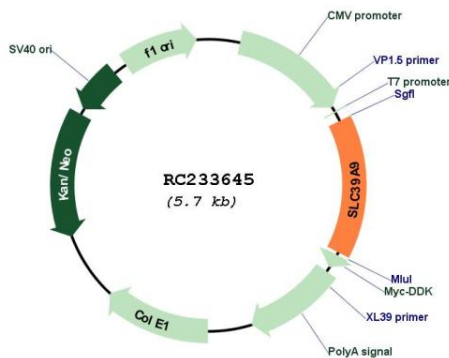
Cytogenetics: 14q24.1

Protein Families: Transmembrane

MW: 30.4 kDa

Gene Summary: May act as a zinc-influx transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC233645