

Product datasheet for **RC228273**

SLC39A11 (NM_001159770) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SLC39A11
Synonyms:	C17orf26; ZIP-11; ZIP11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC228273 representing NM_001159770
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCCAAGGCCACAGCTCTGTGTTCCAGGCCTTGCTGGGGACCTTCTTCACCTGGGGGATGACAGCAG
CTGGGGCAGCTCTCGTGTTCGTATTCTCTAGTGACAGAGGCGGATCTTAGATGGAAGTCTTGGCTTTGC
TGCAGGGGTCATGTTGGCAGCTTCTATTGGTCTCTTCTGGCCCCAGCAGTTGAGATGGCCACGTCCTCT
GGGGGCTTCGGTGCCTTTGCCTTCTTCCCTGTGGCTGTTGGCTTCACTTGGAGCGGCTTTGTCTACT
TGGCTGACCTCCTGATGCCTCACTTGGGTGCAGCAGAAGACCCCCAGACGACCTGGCACTGAACTTCGG
CTCTACGTTGATGAAGAAGAAGTCTGATCTGAGGGTCCCGCTGCTCTTCCCTGAGAGTGAAGTTTCC
ATCCGGATAGGTAGAGCTGGGCTTCTTTCAGACAAGAGTGAGAATGGTGAGGCATATCAGAGAAAGAAGG
CGGCAGCCACTGGCCTTCCAGAGGGTCTGCTGTCCCTGTGCCTTCTCGAGGGAATCTGGCACAGCCCGG
CGGCAGCAGCTGGAGGAGGATCGCACTGCTCATCTTGCCATCACTATACAAACGTTCCAGAGGGTCTC
GCTGTTGGAGTTGGATTGGGGCTATAGAAAAGACGGCATCTGCTACCTTTGAGAGTGCCAGGAATTTGG
CCATTGGAATCGGGATCCAGAATTTCCCGAGGGCCTGGCTGTGAGCCTTCCCTTGGAGGGGAGGCTT
CTCCACCTGGAGAGCTTTCTGGTATGGCAGCTGAGCGGCATGGTGGAGCCCCGGCCGGGTCTTTGGT
GCCTTTGCCGTGGTGGCTGAGCCCATCTGCCCTACGCTCTGGCCTTTGCTGCCGTGCCATGGTCT
ACGTGGTCATGGACGACATCATCCCCGAAGCCAGATCAGTGGTAATGGGAACTGGCATCTGGGCCTC
CATCTGGGATTTGTAGTGATGATGTCACCTGGACGTTGGCTGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATACGACGATAAGGTTTAA



Protein Sequence:

>RC228273 representing NM_001159770

Red=Cloning site Green=Tags(s)

MLQGHSSVFQALLGTTFTWGMTAAGAALVFVFSSGQRRILDGSLGFAAGVMLAASYWSLLAPAVEMATSS
GGFGAFAFFPVAVGFTLGAAFYVLADLLMPHLGAAEDPQTTLALNFGSTLMKKKSDPEGPALLFPESELS
IRIGRAGLLSDKSENGEAYQRKKAATGLPEGPAVPVPSRGNLAQPGSSWRRIALLILAITIHNYPEGL
AVGVGFGAIEKTASATFESARNLAIGIGIQNFPEGLAVSLPLRGAGFTWRAFVYGQLSGMVEPLAGVFG
AFAVVLAEPILPYALAFAGAMVYVVMDDIPEAQISGNGKLASWASILGFVVMMSLDVGLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8053_e09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001159770

ORF Size:

1026 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001159770.2](#)

RefSeq ORF: 1029 bp

Locus ID: 201266

UniProt ID: [Q8NIS5](#)

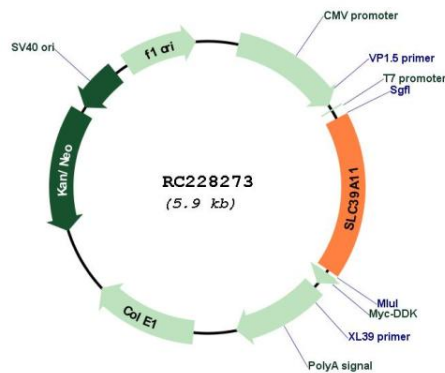
Cytogenetics: 17q24.3-q25.1

Protein Families: Transmembrane

MW: 35.2 kDa

Gene Summary: Functions as a cellular zinc transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC228273