

Product datasheet for **SC336780**

SLC39A12 (NM_001282734) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC39A12 (NM_001282734) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC39A12
Synonyms:	bA570F3.1; LZT-Hs8; ZIP-12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



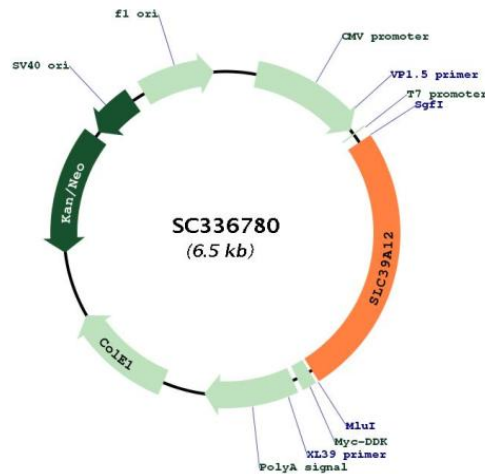
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Fully Sequenced ORF: >SC336780 representing NM_001282734.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTAATAAAGAGTATAAATTTTACCTACACAGCCTACTGAGCCTCAGGCAGGATGAAGATTCCTCT
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CAGTGTATGGAAACCAAACGCTGCAGAAAAAATCTGGAATAGTGAGCAGTGAAGGTGCTAATGAAAGT
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-Mlul

Plasmid Map:



ACCN: NM_001282734

Insert Size: 1674 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_001282734.1](#)

RefSeq Size: 2461 bp

RefSeq ORF: 1674 bp

Locus ID: 221074

UniProt ID: [Q504Y0](#)

Cytogenetics: 10p12.33

Protein Families: Transmembrane

MW: 61.6 kDa

Gene Summary:

Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A12 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]).[supplied by OMIM, Aug 2008]

Transcript Variant: This variant (4) lacks two exons and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (4) is shorter than isoform 1.