

Product datasheet for **SC333962**

SLC39A4 (NM_001280557) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC39A4 (NM_001280557) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC39A4
Synonyms:	AEZ; AWMS2; ZIP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333962 representing NM_001280557. Blue=Insert sequence Red=Cloning site Green=Tag(s)

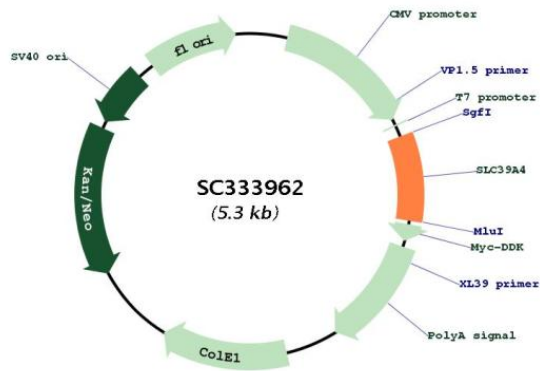
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATCACTCTGGGCGACGCCGTGCACAACTTCGCCGACGGGCTGGCCGTGGGCGCCGCCTTCGCGTCC
TCCTGGAAGACCGGGCTGGCCACCTCGCTGGCCGTGTTCTGCCACGAGTTGCCACACGAGCTGGGGAC
TTCGCCGCCTTGCTGCACGCGGGGCTGTCCGTGCCCAAGCACTGCTGCTGAACCTGGCCTCCGCGCTC
ACGGCCTTCGCTGGTCTCTACGTGGCACTCGCGGTTGGAGTCAGCGAGGAGAGCGAGGCCTGGATCCTG
GCAGTGGCCACCGCCTGTTCTCTACGTAGCACTCTGCGACATGCTCCCGCGATGTTGAAAGTACGG
GACCCGCGGCCCTGGCTCCTTCTCTGCTGCACAACGTGGCCTGCTGGGCGGCTGGACCGTCCTGCTG
CTGCTGTCCCTGTACGAGGATGACATCACCTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:



ACCN: NM_001280557

Insert Size: 450 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_001280557.1](#)

RefSeq Size: 697 bp

RefSeq ORF: 450 bp

Locus ID: 55630

Cytogenetics: 8q24.3

Protein Families: Transmembrane

MW: 15.9 kDa

Gene Summary: This gene encodes a member of the zinc/iron-regulated transporter-like protein (ZIP) family. The encoded protein localizes to cell membranes and is required for zinc uptake in the intestine. Mutations in this gene result in acrodermatitis enteropathica. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2013]

Transcript Variant: This variant (3) differs in the 5' UTR and lacks multiple 5' exons, compared to variant 2. It initiates translation at a downstream in-frame start codon. The encoded isoform (3) has a shorter N-terminus, compared to isoform 2.