

Product datasheet for **SC304528**

SLC39A4 (NM_017767) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC39A4 (NM_017767) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC39A4
Synonyms:	AEZ; AWMS2; ZIP4
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_017767, the custom clone sequence may differ by one or more nucleotides

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ATGGTGGACGTTGTTGGACTTGAAAGGGAACAGGCCCTCGGGGAAGCCCTGGCCAGGC
CTGCCTCTCCCCTCCCTGGTGGGCCAGCGCCCTGCTCACTTGTCTCTGCCACAGTGC
CTGTCTGTGGAGGACGCCCTGGGCTGGGCGAGCCTGAGGGGTGAGGGCTGCCCCGGGC
CCGGTCTGGAGGCCAGGTACGTCGCCCGCCTCAGTGCCGCCCGCTCCTGTACCTCAGC
AACCCCGAGGGCACCTGTGAGGACGCTGGGCTGGCCTCTGGGCTCTCATGCAGACCAC
CTCCTGGCCCTGCTCGAGAGCCCAAGGCCCTGACCCCGGCCTGAGCTGGCTGCTGCAG
AGGATGCAGGCCCGGGCTGCCGGCCAGACCCCAAGACGGCTGCGTAGATATCCCTCAG
CTGCTGGAGGAGCGGTGGGGCGGGGGCTCCGGGCACTGCTGGCGGCTCCTGGCTGCC
CTGCTGGACCATGTCAGGAGCGGGTCTTGTCTCCACGCCTTGCCGAGCCCTCAGTACTTC
GTGGACTTTGTGTCCAGCAGCACAGCAGCGAGGTCCCTATGACGCTGGCCGAGCTGTCA
GCCTTGATGCAGCGCTGGGGTGGGCGAGGAGGCCACAGTGACCACAGTCATCGGCAC
AGGGGAGCCAGCAGCCGGGACCTGTGCCCTCATCAGCTCCAGCAACAGCTCCAGTGTG
TGGGACACGGTATGCCTGAGTGCCAGGGACGTGATGGCTGCATATGGACTGTCGGAACAG
GCTGGGGTGACCCCGGAGGCCTGGGCCAACTGAGCCCTGCCCTGCTCCAACAGCAGCTG
AGTGGAGCCTGCACCTCCAGTCCAGGCCCCCGTCCAGGACCAGCTCAGCCAGTCAGAG
AGGTATCTGTACGGCTCCCTGGCCACGCTGCTCATCTGCCTCTGCGCGGTCTTTGGCCTC
CTGCTGCTGACCTGCACTGGCTGCAGGGGGTCACCCCTACATCCTGCAGACCTTCTG
AGCCTGGCAGTGGGTGCACTCACTGGGGACGCTGTCTGCATCTGACGCCAAGGTGCTG
GGGCTGCATACACACAGCGAAGAGGGCCTCAGCCACAGCCACCTGGCGCCTCCTGGCT
ATGCTGGCCGGGCTCTACGCCTTCTTCTGTTTGAACCTCTTCAATCTCCTGCTGCC
AGGGACCCGGAGACCTGGAGGACGGGCCCTGCGGCCACAGCAGCCATAGCCACGGGGGC
CACAGCCACGGTGTGTCCCTGCAGCTGGCACCCAGCGAGCTCCGGCAGCCCAAGCCCCC
CACGAGGGCTCCCGCGCAGACCTGGTGGCGGAGGAGGCCGGAGCTGCTGAACCCTGAG
CCCAGGAGACTGAGCCCAGAGTTGAGGCTACTGCCCTATATGATCACTCTGGGCGACGCC
GTGCACAACCTTCGCCGACGGGTGGCCGTGGGCGCCGCTTCGCGTCTCCTGGAAGACC
GGGCTGGCCACCTCGCTGGCCGTGTTCTGCCACGAGTTGCCACACGAGCTGGGGACTTC
GCCGCTTGTGCACGCGGGGCTGTCCGTGCGCAAGCACTGCTGCTGAACCTGGCCTCC
GCGCTCACGGCCTTCGCTGGTCTCTACGTGGCACTCGCGTTGGAGTCAGCGAGGAGAGC
GAGGCCTGGATCCTGGCAGTGGCCACCGGCCTGTTCTCTACGTAGCACTCTGCGACATG
CTCCCGCGATGTTGAAAGTACGGGACCCGCGGCCCTGGCTCCTTCTCCTGCTGCACAAC
GTGGCCCTGCTGGGCGGCTGGACCGTCTGCTGCTGTCCCTGTACGAGGATGACATC
ACCTTCTGA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_017767
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_017767.1](#), [NP_060237.1](#)

RefSeq Size: 2317 bp

RefSeq ORF: 1881 bp

Locus ID: 55630

UniProt ID: [Q6P5W5](#)

Cytogenetics: 8q24.3

Protein Families: Transmembrane

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 (1) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 2. The encoded isoform (1) is shorter and has a distinct N-terminus, compared to isoform 2.