

Product datasheet for **SC102411**

SLC39A4 (AK056900) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC39A4 (AK056900) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC39A4
Synonyms:	AEZ; AWMS2; ZIP4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK056900, the custom clone sequence may differ by one or more nucleotides

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ACTCAAGGCTCTCCAGGTGGCGGAGGAGAGCCCGAGCTGCTGAACCCTGAGCCCAGGAGACTGAGCC
CAGAGTTGAGGCTACTGCCCTATATGATCACTCTGGGCGACGCCGTGCACAACCTCGCCGACGGGTGGC
CGTGGGCGCCGCTTCGCGTCTCTGGAAGACCGGGCTGGCCACCTCGTGGCCGTGTTCTGCCACGAG
TTGCCACACGAGCTGGGGACTTCGCGCCTTGCTGCACGCGGGCTGTCCGTGCCCAAGCACTGCTGC
TGAACCTGGCCTCCGCGCTCACGGCCTTCGCTGGTCTCTACGTGGCACTCGCGGTTGGAGTCAGCGAGGA
GAGCGAGGCTGGATCCTGGCAGTGGCCACCGGCTGTTCTCTACGTAGCACTCTGCGACATGGTCAGG
ATGGCGAGGGGAGGGGCTGCTCTGGCCGGGAGCTGAGCAGAGGAGCTGAGCAGGGGCGCTGACCCGGTG
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CACAACGTGGGCTGCTGGGCGGCTGGACCGTCTGCTGCTGTCCCTGTACGAGGATGACATCACCT
TCTGATACCCTGCCCTAGTCCCCACCTTTGACTTAAGATCCCACACCTCACAAACCTACAGCCCAGAAA
CCAGAAGCCCCTATAGAGGCCCCAGTCCCAACTCCAGTAAAGACTCTTGTCCCTGGAGCATGGCTGTG
CTCTCCTTGTGGGTGGGAAGGGCCCTCAGCTGAGAAAGGACAATTGCGGCACTGCCTTCTCCCATCGG
GGTGCCTCGAAGCCAGAGAGCTGCACTCAGGACCCCCAGGCAGCCAGCCTCAGGTGCCCCCTTTTGATA
TGGAGACCCTGCCTGCCTGAGGAGTGGGGTCAAGGAAATTCACCCGGGTGTGGGCAGCAGGTGGGACC
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CAAGGCACATCTGCATAGCCCTAAATCCATTAACCTTTGATTATTAC
    
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5' Read Nucleotide Sequence: >OriGene 5' read for AK056900 unedited
 CCGCGAATTTCGGCACGAGGCTGAACCCTGAGCCCAGGAGACTGAGCCCAGAGTTGAGGCT
 ACTGCCCTATATGATCACTCTGGGCGACGCCGTGCACAACTTCGCCGACGGGCTGGCCGT
 GGGCGCCGCTTCGCGTCTCTCTGGAAGACCGGGCTGGCCACCTCGTGGCCGTGTTCTG
 CCACGAGTTGCCACACGAGCTGGGGACTTCGCCGCTTGTGCACGCGGGGCTGTCCGT
 GCGCCAAGCACTGCTGCTGAACCTGGCCTCCGCGCTCACGGCCTTCGCTGGTCTCTACGT
 GGCACCTCGCGTTGGAGTCAGCGAGGAGAGCGAGGCCTGGATCCTGGCAGTGGCCACCGG
 CCTGTTCTCTACGTAGCACTCTGCGACATGCTCCCGGCGATGTTGAAAGTACGGGACCC
 GCGGCCCTGGCTCCTCTTCTGCTGCACAACGTGGGCCTGCTGGGCGGCTGGACCGTCT
 GCTGCTGTGTCCTGTACGAAGATGACATNACCTTCTGATACCCCTGCCTAGTCCCCCA
 CCTTTGACTTAAGAATCCACACCTTACAAACCTACGGCCAGAAACCGAAGCCCCATAG
 AAGGGCCAGTCCCAAACCTCCGTAAAGACCCTTGTCTTGGGAAAAAAAAAAAAAAAAAAC
 CCCGACCTCTAATTGGGGCCCGGCCTAGCCTTTTCTGGACACAACCCCGGGGGATCCCT
 GGACCCCTCCCAATGCTTTA

3' Read Nucleotide Sequence: >OriGene 3' read for AK056900 unedited
 GGGGAGGGGGNNNNNNNNNNNNNGNTTNNNNNNNTATTGACTNTGNACGNCGNCC
 GCTAACTAGNGATCGATTTTTTTTTTTTTTTTTTCCAGGGCAAGNATGTCTTTACTGGA
 GTTGGGACTGGGGCTCTATAGGGGCTTCTGGTTTCTGGGCTGTAGGTTTGTGAGGTGTG
 GGATCTTAAGTCAAAGGTGGGGACTAGGGCAGGGTATCAAAAGGTGATGTCATCCTCGT
 ACAGGGACAGCAGCAGCAGGACGGTCCAGCCGCCAGCATGCCACGTTGTGCATCAGGA
 ATAGGATCCAGGCCGCGGTCCCGTACTTTCACATCGCCGGGAGCATGTCGCAAAATGCT
 ACTTAAAAGACCAAGGCCGGTGCACCTTGCAGGAATCAAGGCTTGGTTTTCATGGCTGAC
 TCCAAACCCGAATGCACCTTTAAAACCAAAAGGCCTTTAACCCCGAAAGACAAATT
 TAACCCCAATGCTTTTGGCCAGAAAACCCCGTTTTAAAGGGGGGAAAAATCCCCC
 CCCTTGGGGAAAAATTTGGGGAAAAACGGCCCGGAGGGTGGCCCCCCCCGCCTTCCCCG
 AAGAACCACAAGAGGGGGCCCCAGGGCAAAACCCCTTGGCGAAATTTGGCCACGCGTCC
 CCCCCAATGTTTTCTAATGGGGGGGAAACCCCGCTTGGGGGGCTCACTTCTCGGGGG
 GCAAGGGTTATCCCCGGGGCGCAAAAAATGGGCCCCCCCTTAAATGGTGTGGTTA
 AAAAAAATTTTCGGGGGTTCAAAAAAACCTCTCTTTTTTATAACCCCGCCCCCA
 AAAACCCCGCCCCCTTTTTTTTTTTAAGGGGGGGT

Restriction Sites: NotI-NotI

ACCN: AK056900

Insert Size: 700 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: [AK056900.1](#)

RefSeq Size: 2779 bp

RefSeq ORF: 2779 bp

Locus ID: 55630

Cytogenetics: 8q24.3

Domains: Zip

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]