

Product datasheet for **SC304131**

SLC39A2 (NM_014579) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC39A2 (NM_014579) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC39A2
Synonyms:	6A1; ETI-1; ZIP-2; ZIP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_014579 edited

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CCCCAGAGATGGAGCAACTACTAGGAATAAACTTGGCTGCCTGTTTGGCCTGTTGGCTC
TCACTCTGGGCTGTGGCCTTACTCCCATCTGCTTCAAATGGTTCCAGATTGATGCAGCCA
GAGGTCATCACCGCGAGTCCTCAGACTCCTGGGCTGTATTTCTGCTGGTGTTCCTGG
GAGCAGGGTTCATGCATATGACTGCTGAAGCCCTGGAGGAAATTGAATCACAGATTGAGA
AGTTCATGGTGCAGAACAGATCAGCAAGTGAGAGAAATCTTCTGGTGATGCTGATTGAG
CTCATATGGAGTATCCCTATGGAGAGCTCATCATCTCCCTGGGCTTCTTCTGTCTTCT
TTTTGGAGTCGCTGGCATTGCAGTGCTGTCTGGGGCTGCTGGAGGATCGACAGTGCAGG
ACGAAGAATGGGGTGGGGCTCATATCTTGAAGTCCACAGCCATGGACATTTACCTCAC
CCTCAAAGGGTCCCTCCGAGCCCTTGCTCTTGCTGTCACTCTCCTTTCACTCAGTGT
TTGAAGGGCTAGCTGTGGGGCTGCAGCCGACAGTAGCAGTACCGTGCAGCTCTGCCTTG
CTGTCCTGGCTCATAAGGGGCTTGTGGTGTGGTGTAGGAATGCGGCTAGTGCATTTAG
GTACCAGCTCACGATGGGCAGTGTCTCCATACTATTATTAGCTCTCATGTCCCCCTGG
GCCTAGCCGTAGGGCTGGCTGTGACTGGAGGGGACTCTGAAGGAGGGCGGGGCTTAGCCC
AGGCTGTGTTAGAGGGTGTGGCAGCTGGTACCTTCCTGTATGTCACCTTCCTAGAAATTC
TTCCACGGGAGCTAGCTAGTCTGAGGCCCTCTAGCTAAGTGGAGCTGTGTAGCCGCTG
GTTTTGCCTTCATGGCCTTTATTGCCTTGTTGGGCTGAGAGATTCTGGCTTTTCTGATG
GACCTATTTAGGACAACCTCTCTATCCCCAGGGA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014579 unedited <pre>NNNTTTGGGGGAGTTTCAGATTTTGTATACCACTCACTATAGGGCGGCCGCGATTGCGCCCT TCCCCGAGATGGACACTACTAGAAAAAAGTTGGCTGCCTGTTTGCCTGTTGGCTCTCAC TCTGGGCTGTGGCCTTACTCCCCTCTGCTTCAAATGGTTCCAGATTGATGCAGCCAGAGG TCATCACCGGCGAGTCTCAGACTCCTGGGCTGTATTTCTGCTGGTGTTCCTGGGAGC AGGGTTTCATGCATATGACTGCTGAAGCCCTGGAGGAAATTGAATCACAGATTGAGAAGTT CATGGTGCAGAACAGATCAGCAAGTGAGAGAAATCTTCTGGTGATGCTGATTGAGCTCA TATGGAGTATCCCTATGGAGAGCTCATCATCTCCCTGGGCTTCTTTCTTGTCTTCTTTT GGAGTCGCTGGCATTGCACTGCTGCTCCTGNGGCTGCTGGAGGATCGACAGTGCANGACGA AGAATGGGGTGGGGCTCATATCTTGAAGTCCACAGCCATGGACATTTACCTCACCCTC AAAGGGTCCCCTCCGAGCCCTTGTCTTCTGCTGCTCACTCTCCTTTCACTCAGTGTGTA AGGGCTAGCTGTGGGCTGCAGCCGACAGTAGCAGCTACCGTGCAGCTCTGCCTTGTGT CCTGGCTCATAAGGGGCTGTGGTGTGTTGGTGAAGAATGCNGCTAGTGCATTTAGGTAC CAGCTCACGATGGGCGAGTGGTCTTCATACTATTATTAGCTCTCATGTCCCCCTGGGCCC TACCGTAGGGCTGGCTGTGACTGGAGGGGACTCTGGAGGAGGGCGGGCTTAACCCAGC TGTGTAAGGTTGTTGCAACTGGTACCTTC</pre>
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014579 unedited <pre>NNGGCTCCTTTGNNGATGGCACTTNCCAGGNCCAGNAAAGCACTGGGNNAGGGTCACAGG GATGCCACCCGGGATCTGTTTCAGGAAACAGCTATGACCGCGGCCGCAATCTAGAGTCGAC AAGCTTGATATCGGTACCAGATCTGAATTCGCCCTTTCCCTGGGGATAGAGAGGTTGTCC TAAATAGGTCCATCAGAAAAGCCAGGAATCTCTCAGGCCACAAAGGCAATAAAGGCCATG AAGGCAAAACCAGCGGCTACACAGCTCCACTTAGCTAGAGGGGCTCAGGACTAGCTAGC TCCCGTGAAGAATTTCTAGGAAGGTGACATACAGGAAGGTACCAGCTGCCACACCTCT AACACAGCTGGGCTAAGCCCCGCCCTCCTTCAGAGTCCCTCCAGTCACAGCCAGCCCT ACGGCTAGGCCAGGGGGACATGAGAGCTAATAATAGTATGGAGAACTGCCCATCGT GAGCTGGTACCTAAATGCACTAGCCGATTCTACACCAAAACACCACAAGCCCTTATGA GCCAGGACAGCAAGGCAGAGCTGCACGGTAGCTGCTACTGTGGCTGCAGCCCCACAGCT AGCCCTTNCAACTGAGTGAAAGGAGAGTGACAGCAAGAGGACAAGGGGCTCGGAGGGA CCCCCTTGAGGTGAGGGTAAATGTCCATGGCTGTGGAGTTCGAAGTATGAGCCCCACCCC ATTCTTCGTCCTGCACTGTGATCCTNACAGAGCCCCAGGACAGCACTGCAATGCCAGCG ACTNCAAAAAGACAAGAAAGAAAGCCAGGAAGATGATGAGCTCTTCATAGGGATACCT CCTATGAGCTGAATCAGCTTCACCAGAAGGATTCCCTCACTGGCGGATCTGTTCTTGAC CAT</pre>
Restriction Sites:	Please inquire
ACCN:	NM_014579
Insert Size:	1000 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<u>NM_014579.1, NP_055394.1</u>
RefSeq Size:	1358 bp
RefSeq ORF:	930 bp
Locus ID:	29986
UniProt ID:	<u>Q9NP94</u>
Cytogenetics:	14q11.2
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the ZIP family of metal ion transporters. The encoded protein functions as a zinc transporter. Mutations in this gene may be associated with susceptibility to carotid artery disease. Multiple transcript variants have been described. [provided by RefSeq, Mar 2010] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).