

## Product datasheet for **SC323214**

### SLC39A10 (NM\_001127257) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC39A10 (NM_001127257) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC39A10
Synonyms:	LZT-Hs2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



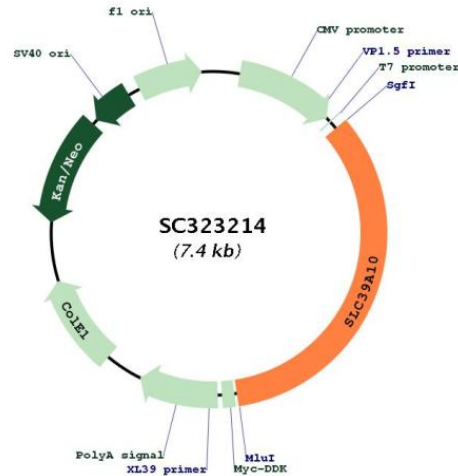
[View online »](#)

Fully Sequenced ORF: >SC323214 representing NM\_001127257.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAAGGTACATATGCACACAAAATTTTGCCTCATTGTTTGGTACATTTATTTTTTCATCATTGCAAC
CATTGCCATGAAGAACATGACCATGGCCCTGAAGCGCTTACAGACAGCATCGTGAATGACAGAATTG
GAGCCAAGCAAATTTTCAAAGCAAGCTGCTGAAAATGAAAAAAATACTATATTGAAAACTTTTTGAG
CGTTATGGTGA AAAATGGAAGATTATCCTTTTTTGGTTTGGAGAAACTTTTAACTTTGGCCTTGA
GAGAGAAAAGTAGTTGAGATTAATCATGAGGATCTTGGCCACGATCATGTTTCTCATTTAGATATTTG
GCAGTTCAAGAGGGAAAGCATTTCCTCACATAACCACCAGCATTCCCATAATCATTTAAATTCAGAA
AATCAAAGTGTGACCAAGTATCCACAAAAAGAAACCATAAATGTGATCCAGAGAAAGAGACAGTTGAA
GTGTCTGTA AAAATCTGATGATAACATATGCATGACCATAATCACCGCTACGTCATCACCATCGTTTG
CATCATCATCTTGATCATAACAACACTCACCATTTTCATAATGATTCCATTACTCCAGTGAGCGTGGG
GAGCCTAGCAATGAACCTTCAACAGAGACCAATAAAACCCAGGAACAATCTGATGTTAACTACCGAAA
GGAAAGAGGAAGAAAAAGGGAGGAAAAGTAATGAAAATCTGAGGTTATTACACCAGGTTTTCCCCCT
AACCATGATCAGGGTGAACAGTATGAGCATAATCGGGTCCACAAACCTGATCGTGTACATAACCCAGGT
CATTCTCATGTACATCTTCCAGAACGTAATGGTATGATCCTGGTCTGAGACCAAGATCTTGATCCT
GATAATGAAGGTGAACCTCGACATACTAGAAAAGAGAGAAGCACCACATGTTAAAAATAATGCAATAATT
TCTTTGAGAAAAGATCTAAATGAAGATGACCATCATCATGAATGTTTGAACGTCCTCAGTTATTA AAA
TACTATGGTATGGTGCCAACTCTCCATCTCACTGATTTATTTACATACTTTGCCCTGCATTGTTA
TATCAAATCGACAGCAGACTTTGATTGAGCATTGACAAACTTTAGTTGAAGATATAATAAGGAT
AAAAACCTGGTTCTGAAGATGAGGCAAAATATAGGGGCATCAGCCTGGATTTGTGGTATCATTCTATC
ACTGTCTTAGCCTGCTTTCCTTGTAGGCGTATCTTGGTTCCCTATCATTAAACCAAGGATGCTTCAA
TTCTTCTTACATTCCTTGTGATTAGCTGTAGGAACAATGAGTGGAGACGCCCTTCTTCTACTG
CCCCATTCTCAGGGTGGACATGATCACAGTCACCAACATGCACATGGGCATGGACATTCTCATGGACAT
GAATCTAAACAAGTTTTTGAAGAATATGATGCTGATTGAAAGGACTTGTGCTTAGGAGGCATTTAC
TTGCTATTTATCATTGAACACTGCATTAGAATGTTTAAAGCACTACAAACAACAAGAGGAAAACAGAAA
TGGTTTATGAAACAGAACACAGAAGAATCAACTATTGGAAGAAAGCTTTCAGATCACAAGTTAAACAAT
ACACCAGATTCTGACTGGCTTCAACTCAAGCCTCTTGCCGGAACGATGACTCGGTTGTTTCTGAAGAT
CGACTTAATGAACTGAACGACTGACAGATTTAGAAGGCCAACAAGAATCCCCTCTAAAAATTACCTTTGT
ATAGAAGAGGAGAAAATCATAGACCATTCTCACAGTATGAGGATTACATACCATTATGAGCATGATCTC
CATGCTGCTGCACATAACCACCACGGCGAGAACA AAACTGTGCTGAGGAAGCATAATCACCAGTGGCAC
CACAAGCATTCTCATCATTCCCATGGCCCTGTCACTTCTGGATCCGATCTGAAAGAAACAGGAATAGCT
AATATAGCCTGGATGGTATCATGGGGATGGCATCCACAACCTCAGTATGGGCTCGCAATTGGTGCA
GCTTTCAGTGTGGATTGACAGGAGGAATCAGTACTTCTATAGCCGTCTTCTGTGATGAACGTCACAT
GAATTAGGAGATTTTGCAGTTCTTCTTAAAGCAGGCATGACTGTAAGCAAGCAATTGTATACAACCTC
CTCTCTGCCATGATGGCTTACATAGGCATGCTCATAGGCACAGCTGTTGGTCAGTATGCCAATAACATC
ACACTTTGGATCTTTGCAGTCACTGCAGGCATGTTCTCTATGTAGCCTTGGTGGATATGCTCCAGAA
ATGTTGCATGGTATGGTGACAATGAAGAACATGGCTTTTGTCCGTGGGGCAATTCATCCTTCAGAAAT
TTAGGATTGCTCTTTGGATTGGCATTATGCTGGTATTGCCCTCTATGAAGATAAAATTGTGTTTGAC
ATCCAGTTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001127257

**Insert Size:** 2496 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:** 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\\_001127257.1](#)

**RefSeq Size:** 5386 bp

**RefSeq ORF:** 2496 bp

**Locus ID:** 57181

**UniProt ID:** [Q9ULF5](#)

**Cytogenetics:** 2q32.3

**Protein Families:** Transmembrane

**MW:** 94.1 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. SLC39A10 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]).[supplied by OMIM, Mar 2008]  
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.