

Product datasheet for **SC126686**

SLC39A12 (NM_152725) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC39A12 (NM_152725) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC39A12
Synonyms:	bA570F3.1; LZT-Hs8; ZIP-12
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC126686 sequence for NM_152725 edited (data generated by NextGen Sequencing)

```
ATGTGCTTCCGGACAAAGCTCTCAGTATCCTGGGTGCCATTGTTTCTTCTACTCAGCCGT
GTTTTTCTACTGAGACAGACAAACCCTCAGCCCAGGACAGCAGAGGCCGTGGGAGTTCA
GGCCAACCGGCAGACCTGCTACAGGTTCTCTGCTGGTGACCACCCACCCACAACCAC
TCAAGAAGCCTCATCAAAACATTGTTGGAGAAAAGTGGGTGCCACGGAGGAGAAACGGA
ATGCAAGGAGATTGCAATCTGTGCTTTGAACCAGATGCACTATTACTAATAGCTGGAGGA
AATTTTGAAGATCAGCTTAGAGAAGAAGTGGTCCAGAGAGTTTCTTCTCCTTCTCTAT
TACATTATTCATCAGGAAGAGATCTGTTCTTCAAAGCTCAACATGAGTAATAAAGAGTAT
AAATTTTACCTACACAGCCTACTGAGCCTCAGGCAGGATGAAGATTCTCTTTCTTTCA
CAGAATGAGACAGAAGATATCTTGGCTTTCACCAGGCAGTACTTTGACACTTCTCAAAGC
CAGTGTATGGAACCAAAAACGCTGCAGAAAAAATCTGGAATAGTGAGCAGTGAAGGTGCT
AATGAAAGTACGCTTCTCAGTTGGCAGCCATGATCATTACTTTGTCCCTCCAGGGTGT
TGCTCTGGGACAAGGAACTTGCCTTCCCAGACTACTTTACAGAATATATTTTCAGTTCC
TTGAATCGTACGAATACCCTCCGCCTATCAGAAGTACCAACTCCTCAACTCTCTGG
ACCAGAAGTACTTGTATCAAAAATGAGAAAATCCATCAATTTCAAAGGAAACAAAACAAC
ATAATAACCCATGATCAGGACTATTCTAATTTCTTCTTCCATCCATGAAAAAGAGTCTGAG
GATGGTCCAATTTCTGGGATCAGACCTGCTTCTCTGCTAGGCAGCTGGTGGAGATTTT
CTACAGAAGGGCCTCTCACTCATTCTAAGGAGGACTTTAAGCAAATGAGTCCAGGGATC
ATCCAGCAGCTCCTCAGCTGCTCCTGCCACTTACCCAAGGACCAACAAGCAAAGCTGCCA
CCTACCCTCTGGAGAAATACGGCTACAGCACGGTGGCTGTCACCCCTTCTCACTGGGC
TCCATGCTGGGACAGCGCTGGTCTTTTCCATAGCTGTGAGGAGAACTACAGGCTTATC
TTACAGCTGTTTGTGGCTTGGCCGTGGGACACTGTCTGGGACGCTCTGCTCCACCTT
ATCCCTCAGGTTCTTGGTTTACATAAGCAGGAAGCCCAAGAAATTTGGGCATTTCCATGAA
AGCAAAGGTCATATTTGAAACTGATGGGATTAATTGGAGGCATCCATGGATTTTCTTG
ATAGAAAATGTTTTATTCTTCTGTATCACCAAATGACAAGAAAAGCCAGAAGATTCA
CAGGCAGCTGAAATGCCTATAGGCAGTATGACAGCCTCCAACAGAAAATGTAAAGCCATT
AGCTTGTAGCAATCATGATTCTGGTTGGGACAGCCTGCATAATTTGCAGATGGCCTA
GCCATAGGAGCAGCCTTCTCATCATCATCCGAGTCAAGGAGTACCCTACGATTGCTATC
TTGTGTCATGAAATCCCACATGAAATGGGAGACTTTGCCGTGCTCTTAAGCTCTGGACTT
TCTATGAAGACTGCCATCCTGATGAATTTATAAGCTCCCTAACTGCCTTCATGGGATTA
TACATTGGCCTTCCGTGTCAGCTGATCCATGTGTTCAAGACTGGATCTTACAGTCACT
GCTGGGATGTTCTTATATTTATCCTTGGTTGAAATGCTTCTGAAATGACTCATGTTCAA
ACACAACGACCCTGGATGATGTTTCTCCTGCAAAAATTTGGATTGATCCTAGGTTGGCTT
TCTCTCTGCTCTGGCTATATATGAGCAAAAATATTAATAATAA
```

Clone variation with respect to NM_152725.3
99 t=>c;106 a=>g;910 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152725 unedited
 GTTCANCAATTTGTAATACGACTTCACTATAGGGCGGCCGCGATTTCGGCACGAGGGNAAT
 TTTAAAAACAGGGAACCTTTGTAAGTGTGAAATACTCTCCAGGATTTAAAAGGCTGTGGAG
 CTCCAGATAAAGAATCGTTTATCTTTCTCTGAAGAAATCCTTTGGTTACAAGTTTACC
 CCATAAACGGCAACACTCACCTCCATCCAAGACAGACTCAAGGTGGAGGAAGCGTGGA
 AATGTGCTTCCGGACAAAGCTCTCAGTATCCTGGGTGCCATTGTTTCTTACTCAGCCG
 TGTTTTTCTACTGAGACAGACAAACCCTCAGCCAGGACAGAGGCCGTGGGAGTTC
 AGGCCAACCGGCAGACCTGCTACAGGTTCTCTCTGCTGGTGACCACCCACCCACAACCA
 CTCAAGAAGCCTCATCAAAACATTGTTGGAGAAAAGTGGGTGCCACGGAGGAGAAAACGG
 AATGCAAGGAGATTGCAATCTGTGCTTTGAACCAGATGCACTATTACTAATAGCTGGAGG
 AAATTTTGAAGATCAGCTTAGAGAAGAAGTGGTCCAGAGAGTTTCTTCTCCTTCTCTA
 TTACATTATTCATCAGGAAGAGATCTGTTCTTCAAAGCTCAACATGAGTAATAAAGAGTA
 TAAATTTTACCTACACAGCCTACTGAGCCTCAGGCAGGATGAAGATTCCTTTTCCTTTT
 ACAGAATGAGACAGAAGATATCTTGGCTTTCACCAGGCAGTACTTGACACTTCTAAAGC
 CAGTGTATGAAAACAAAACGCTGCAGAAAAAATCTGGAATAGTGAGCAGTGAAGGTGCT
 AATGNAAGTACGCTTCTCAGTTGGCAGCCATGATCATTACTNTGTCCCTCCAGGGTGN
 TTGTCTGGGACAAGGAACTTGNCTTCCNAGACTACTNTACAAATATATTNTCAGNTCC
 TGAATCGTACGATCN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_152725 unedited
 NAAATCACTGTGNACCGCGCCGCTTNTANGATCGAGTTTTTTTTTTTTTTTTTTTTAA
 ACTAGTCTTTATTACATTTGCTTGTCACTTAACCTTGCTTATAGTTTATAATTGCACAGGG
 AAAAAATAACATCAAAAAGTTGCAAGTTGATTTTACTCCAACAGGCATCTGTCCACTTTA
 AATTCTACAAACATTTCTTTCTTAGGGAAAAATCTATTTTTTAAAGTTTACTAAAATTCA
 TGCAGAATTTACTAACTACTTTTTAAAAAGCAAGACTTCATCATGGTGTGGAAACCAA
 AGACAAAATTTCAATTAAGGACAGTCTGATATTTATGTGTTTTCAAAAATAAACTGCAT
 TATAAAATTAATAAGTTAATGAATTGAAAGAGACACACTTGCCTAAGATAAAAAATTCT
 TAATTTAAAAATCATTATAGAGTGCAATGAAAGAAACAAAGTAAGACTATATAAATGCAT
 TTTTGAAGATGTTGAAGATCCTCACTTATATTTAATATTTTGTCTCATATATAGCCAAG
 AGCAGGAGAGAAAAGCCAACCTAGGATCAATCCAAGTTTTGCAGGAGAAAACATCATCCAG
 GGTCGTTGTGTTGAACATGAGTCAATTTAGGAAGCATTTCACCAAGGATAAATAAAG
 AACATCCCAGCAGTGACTGTGAAGATCCAGTCTTGAACACATGGATCAGCTGACACGGAA
 AGGCCAATGTATAATCCCATGAAAGCAGTTAGGGAGCTTATAAAATTCATCAGGATGGCA
 GTCTTCATAGAAAAGTCCAGAGCTTAAGAGCACGCAAAGTCTCCATTTTCATGTGGGATTT
 NCATGACACAGATAGCAATCGTAGTGGTCACTCCTGACTCGGATGAGATGAAAAGCTGCT
 CCTATGGCTG

Restriction Sites:

NotI-NotI

ACCN:

NM_152725

Insert Size:

3000 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:	<ol style="list-style-type: none">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_152725.1 , NP_689938.1
RefSeq Size:	2636 bp
RefSeq ORF:	1965 bp
Locus ID:	221074
UniProt ID:	Q504Y0
Cytogenetics:	10p12.33
Domains:	Zip
Protein Families:	Transmembrane
Gene Summary:	<p>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. SLC39A12 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]).[supplied by OMIM, Aug 2008]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the coding region compared to variant 1. The encoded isoform (2) is shorter but has the same N- and C-termini compared to isoform 1.</p>