

## Product datasheet for **SC106110**

### SLC26A11 (AL833468) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A11 (AL833468) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC26A11
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 AL833468, the custom clone sequence may differ by one or more nucleotides

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GGATTCTGCGGACCCAGCTGCGGGCAGCCAGGAGACCCCAAGCTGCATCGCCGAGTGGAGCCGTTCCG
CCCCCTGGGGAGGGGAGACCCATAGTGACCTCTCCTGACACCCCGCCGACCCTGACCAGTGTTCGGGGTT
CTTCAAAGGCCACGCTCTGACTGCTGGTCTGTGTACCTGCACCCCCAGCCCCACCGTAGAGATGCCTT
CTTCGGTGACGGCGCTGGGTGAGCCAGGTCTCTGGCCCCGGGATGGCCCCGAGCGCCTGCTGCTGCTC
CCCTGCGGCCCTGCAGAGGAGGCTGCCATCCTGGCGTGGCTGCCAGCTACTCCCTGCAGTGGCTGAAG
ATGGATTCGTCGCCGGCCTCTCAGTTGGCCTCACTGCCATTCCCCAGGCGCTGGCCTATGCTGAAGTGG
CTGGACTCCC GCCCAGTATGGCCTCTACTCTGCCTTCATGGGCTGCTTCGTGTATTTCTTCTGGGCAC
CTCCCGGATGTGACTCTGGGCCACC GCCATTATGTCCTCCTGGTCTCCTTACACCTTCCATGAG
CCCGCCTACGCTGTGCTGCTGGCCTTCTGTCCGGCTGCATCCAGCTGGCCATGGGGTCTGCGTTTGG
GGTTCCTGCTGGACTTCATTTCTACCCCGTCATTAAGGCTTACCTCTGCTGCTGCCGTACCATCGG
CTTTGGACAGATCAAGAACCTGTGGGACTACAGAACATCCCCAGGCCGTTCTTCTGCAGTGTACCAC
ACCTTCTCAGGATTGCAGAGACCAGGGTAGGTGACGCCGCTCTGGGGCTGGTCTGCATGCTGCTGCTGC
TGGTGTGAAGCTGATGCGGGACCAGTGCCTCCCGTCCACCCCGAGATGCCCCCTGGTGTGCGGCTCAG
CCGTGGGCTGGTCTGGGCTGCCACGACAGCTCGCAACGCCCTGGTGGTCTCCTTCGCAGCCCTGGTTGCG
TACTCCTTCGAGGTGACTGGATACCAGCCTTTCATCCTAACAGGGGAGACAGCTGAGGGGCTCCCTCCAG
TCCGGATCCCGCCTTCTCAGTGACCACAGCCAACGGGACGATCTCCTTACCAGAGATGGTGCAGGACAT
GGGAGCCGGGCTGGCCGTGGTGGCCCTGATGGGCTCCTGGAGAGCATTGCGGTGGCCAAAGCCTTCGCA
TCTCAGAATAATTACCGCATCGATGCCAACAGGAGCTGTGCCATCGGTCTCACCAACATGTTGGGCT
CCCTCGTCTCCTACCCGGTACAGGCAGCTTTGGACGGACAGCCGTAACGCTCAGTCGGGGGTGTG
CACCCCGCGGGGGCCCTGGTGACGGGAGTGTGGTGTGCTGTCTGGACTACCTGACCTCACTGTTTC
TACTACATCCCCAAGTCTGCCCTGGCTGCCGTATCATCATGGCCGTGGCCCCGCTGTTTCGACACCAAGA
TCTTCAGGACGCTCTGGCGTGTAAAGAGGCTGGACCTGTGCCCTGTGCGTGACCTTCTGCTGTGCTT
CTGGGAGGTGCAGTACGGCATCTGGCCGGGGCCCTGGTGTCTGCTCATGCTCCTGCACTCTGCAGCC
AGGCTGAGACCAAGGTGTGAGAGGGCCGTTTGGTCTGCAGCCGGCCAGCGGCTGTCTTCCCTG
CCATGGAGGCTCTGCGGGAGGAGATCCTAAGCCGGGCCCTGGAAGTGTCCCGCCACGCTGCCTGGTCT
GGAGTGCACCCATGTCTGCAGCATCGACTACACTGTGGTGTGGGACTCGCGGAGCTCCTCCAGGACTTC
CAGAAGCAGGGGCTCGCCCTGGCCTTTGTGGCCCTGCAGGTCCCCGTTCTCCGTGTCTGCTGTCCGCTG
ACCTGAAGGGGTTCCAGTACTTCTACCTGGAAGAAGCAGAGAAGCACCTGAGGCAGGAGCCAGGGAC
CCAGCCCTACAACATCAGAGAAGACTCCATTCTGGACAAAAGGTTGCCCTGCTCAAGGCATAATGGGGC
CACCCGTGGGCATCCACAGTTTGCAGGGTGTCCGGAAGGTTCTTGTCACTGTGATTGGATGCTGGATGC
CGCCTGATAGACATGCTGGCCTGGCTGAGAAACCCCTGAGCAGGTAACCCAGGGAAGAGAAGGAAGCCAG
GCCTGGAGGTCCACGGCAGTGGGAGTGGGGCTCACTGGCTTCTGTGGGATGACTGGAAAGTGACCTCGC
TGCTGTTCCCTGGCATGACCCTTTTGAAGAGTGGTTTGGAGAGAGCCTTCTAGAATGACAGACTGTGC
GAGGAAGCAGGGGAGGGGTTTCCAGCCGGGCTGTGCGAGGCATCCTGGGGCTGGCAGCACCTTCCCGG
CTCACCAGTGCCACCTGCGGGGAGGGACGGGGCAGGCAGGAGTCTGGGAGGCGGGTCCGCTCCTCTTGT
CTGCGGCATCTGTGCTCTCCGAGAGAAAACCAAGGTGTGTCAAATGACGTCAAGTCTCTATTTAAAAATA
ATTTTGTGTTTTCTAAATGGAAAAAGTGATAGCTTTGGTGATTTTGTAAAAGTCATAAATGCTTATTGTA
AAAAATACAGGAAACCACCCCTCACCTGTCCACTTGGGTGATCATTCCAGACCCCTCCCAAACATGCA
TATGTACCTGTCCGTGAGTGTGGATGTATGTTTACAGTTTACATAAATGGGATCATTTTATACATGG
TGCTCTGGAACCCACATTTTTCATGCAGTCATTTGCAGTGAATTTTATTGTGATAATAAATAGCATTAA
GAATACAAAAAAAAAAAAAAAAAAAAA
    
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for AL833468 unedited  
 GGTACATTGTATACACTATTAGGCGGCCGGATTGCGCGAGCCAACTGCATCGCCGATGG  
 AACACTAGACTCCAGGCTGTGAAAGCCACAGGTGGGGGCTGAGCGAGGCGTGGCCTCAGG  
 AGCGGAGGACCCCCCTCTCCCTCGAGCGCCGAGTCCACCGTAGCGGGTGGAGCC  
 CGCCTTGGTGCAGTTGGAAAACCTCGGAGCCCCGCTGGATCTCCTGGCTGCCACCCG  
 ACCCCCCGCCAGCCTACGCCCCACCGTAGAGATGCCTTCTCGGTGACGGCGCTGGGTCA  
 GGCCAGGTCCTCTGGCCCCGGGATGGCCCCGAGCGCTGCTGCTCCCTGCGGCCCT  
 GCAGAGGAGGCTGCCATCCTGGCGTGGCTGCCAGCTACTCCCTGCAGTGGCTGAAGAT  
 GGATTTTCGTGCGCGCCCTCTCAGTTGGCCTCACTGCCATTCCCCAGGCGCTGGCCTATGC  
 TGAAGTGGCTGGACTCCCGCCCCAGTATGGCCTCACTCTGCCTCATGGGCTGCTTCGT  
 GTATTTCTCCTGGGCACCTCCCGGGATGTGACTCTGGGCCCCACCGCCATTATGTCCCT  
 CCTGGTCTCCTTACACCTTCCATGAGCCCGCCTACGCTGTGCTGCTGGCCTTCTGTC  
 CGGCTGCATCCAGCTGGCCATGGGGTCTGCGTTTGGGGTTCCTGCTGGACTTCATTTN  
 CTACCCCGTCATTAAGGCTTTCACTCTGCTGCTGCCGTACCATTGCGCTTTGGACAG  
 ATCAAGAACCTGTGGGACTACAGAACATCCCCAGGCCCGTCTTCTGCCAGTGTACCAC  
 ACTTTCTCCAGATNGCANAGACCAGTTAGTGACCCCGCTGGGGCTGGNCTGCATGCTG  
 CTGCTGCTGGTGTGAAN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for AL833468 unedited  
 CGCTATGNAACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTGTATTCTA  
 ATGCTATTTATTATCACAATAAAATAATCACTGCAAATGACTGCATGAAAAATGTGGGTT  
 CCAGAGCACCATGTATAAAATGATCCCATTTATGTAGAAGTAAACATACATCCACACA  
 CTGACGGACAGGTACATATGCATGTTTGGGGAGGGTCTGGAATGATACCCAAGTGGAC  
 AGGGTGAGGGGTGGTTTCTGTATTTTTACAATAAGCATTATGACTTTTACAAAATCA  
 CCAAAGCTATCACTTTTTCCATTTAGAAAAACAAAAATTTTTTAAATAGAGACTTGAC  
 GTCATTTGACACACCTTGGTTTTCTCTCGGAGAGCACAGATGCCGCAAACAAGAGGAGCG  
 GACCCGCTCCCAGACTCCTGCCTGCCCGTCCCTCCCCCGCAGGTGGCACTGGTGAACC  
 CGGAAAGTGTGCCAGCCCCAGGATGCCTCGCACAGCCCCGGCTGGAAACCCCTGCCCT  
 GCTTTCTCGCACAGTCTGTCACTTAGAAAGCTCTCCTCAAACCACTCTTCAAAGAGGG  
 TCATGCCNNGAACAGCAACGAGGTCAATTTCCAGTCTCCACAGGAAGCCAGTGAGCC  
 CCACTCCCACTGCGGTGGACCTCCAGGCCTGGGTTCCTTTTCCCTGGGTACCTGCTC  
 AGGGTTTTCTTAAACGCCAGCATGTTATTAAGCGGGTCCAACCAATACAGTGACAGA  
 ACCCTCCGAACACCTGCAAATGTGATGCCCCACGTGGGCCCTTATGCCTGGCAGGCGAA  
 CTTTTGGGCACAAGGAGGCTTTCTGAAGTTAAAGTGGGTCCCGGGCCTGCCAGAGGCT  
 CTCTGGTTTTCAAGGAGAGAACTGGACCCCTT

**Restriction Sites:**

NotI-NotI

**ACCN:**

AL833468

**Insert Size:**

3250 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:** [AL833468.1](#)

**RefSeq Size:** 2828 bp

**RefSeq ORF:** 2828 bp

**Locus ID:** 284129

**Cytogenetics:** 17q25.3

**Domains:** Sulfate\_transp, STAS

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a member of the solute linked carrier 26 family of anion exchangers. Members of this family of proteins are essential for numerous cellular functions including homeostasis and intracellular electrolyte balance. The encoded protein is a sodium independent sulfate transporter that is sensitive to the anion exchanger inhibitor 4,4'-diisothiocyanostilbene-2,2'-disulfonic acid. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2009]