

Product datasheet for **SC101103**

SLC26A11 (NM_173626) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A11 (NM_173626) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC26A11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC101103 sequence for NM_173626 edited (data generated by NextGen Sequencing)

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ATGCCTTCTTCGGTGACGGCGCTGGGTCAGGCCAGGTCCTCTGGCCCCGGGATGGCCCCG
AGCGCCTGCTGCTGCCCTGCGGCCCTGCAGAGGAGGCTGCCCATCTGGCGTGGCTG
CCCAGTACTCCCTGCAGTGGCTGAAGATGGATTCGTCGCCGGCCTCTCAGTTGGCCTC
ACTGCCATTCCCCAGGCGCTGGCCTATGCTGAAGTGGCTGGACTCCCGCCCCAGTATGGC
CTCTACTCTGCCCTTCATGGGCTGCTTCGTGATTTCTTCTCTGGGCACCTCCCGGGATGTG
ACTCTGGGCCCCACCGCATTATGTCCTCCTGGTCTCCTTCTACACCTTCCATGAGCCC
GCCTACGCTGTGCTGCTGGCCTTCTGTCCGGCTGCATCCAGCTGGCCATGGGGGTCCTG
CGTTTGGGGTTCTGCTGGACTTCATTTCTACCCCGTCATTAAGGCTTACCTCTGCT
GCTGCCGTACCATCGGCTTTGGACAGATCAAGAACCTGCTGGGACTACAGAACATCCCC
AGGCCGTTCTTCTGCAGGTGTACCACACCTTCTCAGGATTGCAGAGACCAGGGTAGGT
GACGCCGCTCTGGGGCTGGTCTGCATGTGCTGCTGCTGGTGTGAAGCTGATGCGGGAC
CACGTGCCTCCCGTCCACCCGAGATGCCCCCTGGTGTGCGGCTCAGCCGTGGGCTGGTC
TGGGCTGCCACGACAGCTCGCAACGCCCTGGTGGTCTCCTTCGCAGCCCTGGTTGCGTAC
TCCTTCGAGGTGACTGGATACCAGCCTTTCATCCTAACAGGGGAGACAGCTGAGGGGCTC
CCTCCAGTCCGGATCCCGCCCTTCTCAGTGACCACAGCCAACGGGACGATCTCCTTACC
GAGATGGTGCAGGACATGGGAGCCGGGCTGGCCGTGGTGGCCCTGATGGGCTCCTGGAG
AGCATTGCGGTGGCCAAAGCCTTCGCATCTCAGAATAATTACCGCATCGATGCCAACCAG
GAGCTGCTGGCCATCGGTCTACCAACATGTTGGGCTCCCTCGTCTCCTCCTACCCGGTC
ACAGGCAGCTTTGGACGGACAGCCGTGAACGCTCAGTCGGGGGTGTGCACCCCGCGGGG
GGCCTGGTGACGGGAGTGTGGTGTGCTGTCTCTGGACTACCTGACCTCACTGTTCTAC
TACATCCCCAAGTCTGCCCTGGCTGCCGTCATCATCATGGCCGTGGCCTCGCTGTTGAC
ACCAAGATCTTCAGGACGCTCTGGCGTGTAAAGAGGCTGGACCTGCTGCCCTGTGCGTG
ACCTTCTGCTGTGCTTCTGGGAGGTGCAGTACGGCATCCTGGCCGGGGCCCTGGTGTCT
CTGCTCATGCTCTGCACTCTGCAGCCAGGCTGAGACCAAGGTGTGAGAGGGGGCGGTT
CTGGTCTGCAGCCGGCCAGCGGCTGTCTTCCCTGCCATGGAGGCTCTGCGGGAGGAG
ATCCTAAGCCGGGCCCTGGAAGTGTCCCCGCCACGCTGCCTGGTCTGGAGTGCACCCAT
GTCTGCAGCATCGACTACACTGTGGTGTGGGACTCGGCGAGCTCCTCCAGGACTCCAG
AAGCAGGGCGTCGCCCTGGCCTTTGTGGGCTGCAGGTCCCCGTTCTCCGTGCTCTGCTG
TCCGCTGACCTGAAGGGTTCCAGTACTTCTTACCCTGGAAGAAGCAGAGAAGCACCTG
AGGCAGGAGCCAGGGACCCAGCCCTACAACATCAGAGAAGACTCCATTCTGGACAAAAG
GTTGCCCTGCTCAAGGCATAA
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Clone variation with respect to NM_173626.3
1249 c=>t

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_173626 unedited GACTTCCCCCGCCCCGTGCCGCTTTGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAA GCAGAGTTCATTTAGGTGACACTATAGAATACACGCTACTTGTCTTTTTGCAGCGGCCG CGAATTCGGCAGCAGGGCGGCACGCCAGGAGACCCCAAGCTGCATCGCCGAGTGGAAAGCA ACTAGAACTCCAGGTGCTGTGACAAGCCACAGGTGGGGGCTGATCGAGGCGTGGCCTCAG GAGCGGAGGACCCCCCTACTCTCCCTCGAGCGCCGAGTCCACCGTAGCGGGTGGAGC CCGCTTGGTGCCAGATGGAAAACCTCGGAGCCCCGCTGGATCTCCTGGCTGCCACCCG CACCCCCGCGCAGCTACGGCGCGCCCGGGGCCAGTTCTCTCTGCGCTGCTCCCCGC TAAATTCCTGGGAGACGGAAAAAAGGCAAAGGAAAGTCGGCTCTACAGGGCCAGAAG TGCTGAGCCTAATTAGTCTTCAGACTTCTCAATGAGGAATCGCTTATCAGTTTCTATCT GGGAGAGATGAGGATGGACGGACAGAATGCACCCACGATTTGCACGGAGGGGATTCAAG GAGAGAGGGTGATAGGAGCANNNTCGGGCTTTCCATCTTGGCCAGAGCGCATCTGGCA CACATTGACGGCTTGCTTTAAAGCCAGCCGCCCTGAGGACCGGAGACCCATACTGA CCTCTGCTGACCCGACGACGCTGCCACTGCTGGCGACATGCTCAAAGCCACGCTCTGAC TGTTGGACTGTGGCAGCTGCCACGCTCAGACCAGTACAGATGCCGTCTCCCTGCCGCT GGGACCATGCCTAGGCCTCTGGCCAGGGATGTCTTACGCTTGTGCTGTTCCCTGAGT CTGCCGAGGATGCTGCCATCCAGGCGCGTAGAGCC
Restriction Sites:	ECORI-NOT
ACCN:	NM_173626
Insert Size:	3100 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_173626.1 , NP_775897.1
RefSeq Size:	2920 bp
RefSeq ORF:	1770 bp
Locus ID:	284129
UniProt ID:	Q86WA9
Cytogenetics:	17q25.3
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]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3 and 4 encode the same protein.