

Product datasheet for **RC230338**

SLC26A11 (NM_001166347) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A11 (NM_001166347) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC26A11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC230338 representing NM_001166347
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTTCTTCGGTGACGGCGCTGGGTACAGCCAGGTCCTCTGGCCCCGGGATGGCCCCAGCGCCTGCT
 GCTGCTCCCTGCGGCCCTGCAGAGGAGGCTGCCCATCCTGGCGTGGCTGCCAGCTACTCCTGCAGTG
 GCTGAAGATGGATTTCTGTCGCCGCTCTCAGTTGGCCTCACTGCCATCCCCAGGCGCTGGCCTATGCT
 GAAGTGGCTGGACTCCCAGCCAGTATGGCCTCTACTCTGCCTCATGGGCTGCTTCGTGTATTTCTTCC
 TGGGCACCTCCCGGATGTGACTCTGGGCCACCGCCATTATGTCCCTCCTGGTCTCCTTCTACACCTT
 CCATGAGCCCGCTACGCTGTGCTGGCCTTCTGTCCGGCTGCATCCAGCTGGCCATGGGGTCTGT
 CGTTTGGGTTCTGCTGGACTTCATTTCTACCCCGTCATTAAGGCTTCACTCTGCTGCTGCCGTCA
 CCATCGGCTTTGGACAGATCAAGAACCTGCTGGGACTACAGAACATCCCCAGGCCGTTCTTCTGCAGGT
 GTACCACACCTTCTCAGGATTGCAGAGACCAGGTTAGGTGACGCCGCTCTGGGGCTGGTCTGCATGCTG
 CTGCTGCTGGTGTGAAGCTGATGCGGGACCACGTGCCTCCCGTCCACCCGAGATGCCCCCTGGTGTG
 GGCTCAGCCGTGGGCTGGTCTGGGCTGCCACGACAGCTCGCAACGCCCTGGTGGTCTCCTTCGACGCCCT
 GGTGCGTACTCCTTCGAGGTGACTGGATACCAGCCTTTCATCCTAACAGGGGAGACAGCTGAGGGGCTC
 CCTCCAGTCCGGATCCCGCCCTTCTCAGTGACCACAGCCAACGGGACGATCTCCTTACCAGGATGGTGC
 AGGACATGGGAGCCGGGCTGGCCGTGGTCCCTGATGGGCTCCTGGAGAGCATTGGCGTGGCCAAAGC
 CTTGCGATCTCAGAATAATTACCGCATCGATGCCAACCAGGAGCTGCTGGCCATCGGTCTACCAACATG
 TTGGGCTCCCTCGTCTCCTCCTACCCGGTCACAGGCAGCTTTGGACGGACAGCCGTGAACGCTCAGTCGG
 GGGTGTGCACCCCGGGGGGCTGGTGACGGGAGTGTGGTGTGCTGTCTCTGGACTACTGACCTGACCTC
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 ACCAAGATCTTACAGGACGCTCTGGCGTGTAAAGAGGCTGGACCTGCTGCCCTGTGCGTGACCTTCTG
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 TGCAGCCAGGCTGAGACCAAGGTGTCAGAGGGGCGGTTCTGGTCTGCAGCCGGCCAGCGGCCTGTCC
 TTCCCTGCCATGGAGGCTCTGCGGGAGGAGATCCTAAGCCGGGCCCTGGAAGTGTCCCGCCACGCTGCC
 TGGTCTGGAGTGCACCCATGTCTGCAGCATCGACTACACTGTGGTGTGGGACTCGCGAGCTCCTCCA
 GGACTTCCAGAAGCAGGGCGTCGCCCTGGCCTTTGTGGGCTGCAGGTCCCGTCTCCGTGCTGCTG
 TCCGCTGACCTGAAGGGTTCCAGTACTTCTTACCCTGGAAGAAGCAGAGAAGCACCTGAGGCAGAAGC
 CAGGGACCCAGCCCTACAACATCAGAGAAGACTCCATTCTGGACCAAAGGTTGCCCTGCTCAAGGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230338 representing NM_001166347
 Red=Cloning site Green=Tags(s)

MPSSVTALGQARSSGPGMAPSACCCSPAALQRRLPILAWLPSYSLQWLKMDFVAGLSVGLTAIPQALAYA
 EVAGLPPQYGLYSAFMGCFVYFFLGTSRDVTLGPTAIMSLLVSFYTFHEPAYAVLLAFLSGCIQLAMGVL
 RLGFLLDLFI SYPVIKGF T SAAAVTIGFGQIKNLLGLQNI PRPFLLQVYHTFLRIAETRVGDAVLGLVCM
 LLLVLKLMRDHVPVHPMPGGVRLSRGLVWAATTARNALVVSFAALVAYSFEVTGYQPFILTGETA EGL
 PPVRI PPF SVTTANGTISFTEMVQDMGAGLAVVPLMGLLESIAVAKAFASQNNYRIDANQELLAIGLTNM
 LGSLVSSYPVTGSFGR TAVNAQSGVCTPAGGLVTGVLVLLSLDYL TSLFYIIPKSALAAV IIMAVAPLFD
 TKIFRTLWRVKRLDLLPLCVTFLLCFWEVQY GILAGALV SLLMLLHSAARPETKVSEGPV LVLQPASGLS
 FPAMEALREEILSRALVSPRCLVLECHTVCSIDYTVVLGLGELLQDFQKQGVALAFVGLQVPLRVL
 SADLKGQYFSTLEEA EKHLRQKPGTQPYNI REDSILDQKVAL LKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

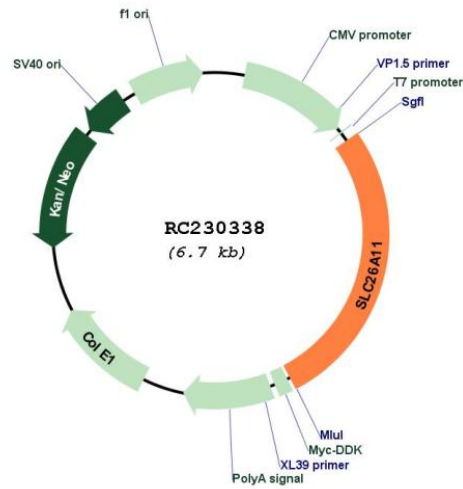
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001166347

ORF Size:	1818 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001166347.1 , NP_001159819.1
RefSeq ORF:	1821 bp
Locus ID:	284129
UniProt ID:	Q86WA9
Cytogenetics:	17q25.3
Protein Families:	Transmembrane
MW:	65.7 kDa
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]