

Product datasheet for **RG230337**

SLC26A11 (NM_001166349) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A11 (NM_001166349) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC26A11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230337 representing NM_001166349
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTTCTTCGGTGACGGCGCTGGGTACAGCCAGGTCCTCTGGCCCCGGGATGGCCCCAGCGCCTGCT
 GCTGCTCCCTGCGGCCCTGCAGAGGAGGCTGCCATCCTGGCGTGGCTGCCAGCTACTCCTGCAGTG
 GCTGAAGATGGATTTCTGTCGCCGCTCTCAGTTGGCCTCACTGCCATCCCCAGGCGCTGGCCTATGCT
 GAAGTGGCTGGACTCCC GCCCAGTATGGCCTCTACTCTGCCTTCATGGGCTGCTTCGTGTATTTCTTCC
 TGGGCACCTCCCGGGATGTGACTCTGGGCCACC GCCATTATGTCCCTCCTGGTCTCCTTCTACACCTT
 CCATGAGCCCGCTACGCTGTGCTGGCCTTCTGTCCGGCTGCATCCAGCTGGCCATGGGGTCTGT
 CGTTTGGGGTTCCTGCTGGACTTCATTTCTACCCCGTCATTAAGGCTTCACTCTGCTGCTGCCGTCA
 CCATCGGCTTTGGACAGATCAAGAACCTGCTGGGACTACAGAACATCCCCAGGCCGTTCTTCTGCAGGT
 GTACCACACCTTCTCAGGATTGCAGAGACCAGGTTAGGTGACGCCGCTCCTGGGGCTGGTCTGCATGCTG
 CTGCTGCTGGTGTGAAGCTGATGCGGGACCACGTGCCTCCCGTCCACCCGAGATGCCCCCTGGTGTGC
 GGCTCAGCCGTGGGCTGGTCTGGGCTGCCACGACAGCTCGCAACGCCCTGGTGGTCTCCTTCGCAGCCCT
 GTTTGGTACTCCTTCGAGGTGACTGGATACCAGCCTTTCATCCTAACAGGGGAGACAGCTGAGGGGCTC
 CCTCCAGTCCGGATCCCGCCCTTCTCAGTGACCACAGCCAACGGGACGATCTCCTTACCAGAGATGGTGC
 AGGACATGGGAGCCGGGCTGGCCGTGGTCCCTGATGGGCTCCTGGAGAGCATTGCGGTGGCCAAAGC
 CTTGCGATCTCAGAATAATTACCGCATCGATGCCAACCAGGAGCTGCTGGCCATCGGTCTACCAACATG
 TTGGGCTCCCTCGTCTCCTCTACCCGGTACAGGCAGCTTTGGACGGACAGCCGTGAACGCTCAGTCGG
 GGTGTGCACCCCGGGGGGCTGGTGACGGGAGTGTGGTGTCTGTCTCTGGACTACCTGACCTC
 ACTGTTCTACTACATCCCAAGTCTGCCCTGGCTGCCGTATCATCATGGCCGTGGCCCGCTGTTTCGAC
 ACCAAGATCTTACAGGACGCTCTGGCGTGTAAAGAGGCTGGACCTGCTGCCCTGTGCGTGACCTTCTG
 TGTGCTTCTGGGAGGTGCAGTACGGCATCCTGGCCGGGCCCTGGTGTCTCTGCTCATGCTCCTGCACTC
 TGCAGCCAGGCTGAGACCAAGGTGTCAGAGGGGCCGTTCTGGTCTGCAGCCGGCCAGCGGCCTGTCC
 TTCCCTGCCATGGAGGCTCTGCGGGAGGAGATCCTAAGCCGGGCCCTGGAAGTGTCCCGCCACGCTGCC
 TGGTCTGGAGTGCACCCATGTCTGCAGCATCGACTACACTGTGGTGTGGGACTCGCGAGCTCCTCCA
 GGACTTCCAGAAGCAGGGCGTCCCTGGCCTTTGTGGGCTGCAGGTCCCGGTTCTCCGTGCTGCTG
 TCCGCTGACCTGAAGGGTTCCAGTACTTCTTACCCTGGAAGAAGCAGAGAAGCACCTGAGGCAGGAGC
 CAGGGACCAGCCCTACAACATCAGAGAAGACTCCATTCTGGACCAAAGGTTGCCCTGCTCAAGGCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230337 representing NM_001166349
 Red=Cloning site Green=Tags(s)

MPSSVTALGQARSSGPGMAPSACCCSPAALQRRLPILAWLPSYSLQWLKMDFVAGLSVGLTAIPQALAYA
 EVAGLPPQYGLYSAFMGCFVYFFLGTSRDVTLPPTAIMSLLVSFYTFHEPAYAVLLAFLSGCIQLAMGVL
 RLGFLLDFISYPVIKGFTSAAAVTIGFGQIKNLLGLQNI PRPFFLQVYHTFLRIAETRVGDVAVLGLVCM
 LLLVLKLMRDHVPVHPMPGVRVLSRGLVWAATTARNALVVSFAALVAYSFEVTGYQPFILTGETAEG
 PPVRI PPF SVTTANGTISFTEMVQDMGAGLAVVPLMGLLESIAVAKAFASQNNYRIDANQELLAIGLT
 NM LGSLSVSSYPVTGSFGR TAVNAQSGVCTPAGGLVTGVLVLLSLDYL TSLFYYPKSAALVAVIIMAV
 APLFD TKIFRTLWRVKRLDLLPLCVTFLLCFWEVQYIGILAGALVSLMLLHSAARPETKVSEGPV
 LVLQPASGLS FPAMEALREEILSRALVSPRCLVLECHTVCSIDYTVVLGLGELLQDFQKQGV
 ALAFVGLQVPVLRVLL SADLKGQYFSTLEEAEKHLRQEPGTQPYNI REDSILDQKVALLKA

TRTRPLE – GFP Tag – V

Restriction Sites:

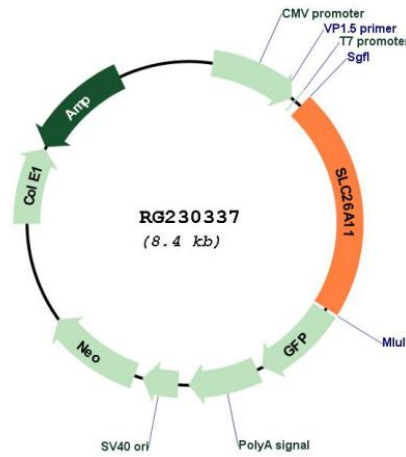
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:

NM_001166349

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_001166349.2
RefSeq Size:	2730 bp
RefSeq ORF:	1821 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]