

## Product datasheet for **RG230336**

### **SLC26A11 (NM\_001166348) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SLC26A11 (NM_001166348) 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:**

>RG230336 representing NM\_001166348  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCTTCTTCGGTGACGGCGCTGGGTACAGCCAGGTCCTCTGGCCCCGGGATGGCCCCAGCGCCTGCT  
 GCTGCTCCCTGCGGCCCTGCAGAGGAGGCTGCCATCCTGGCGTGGCTGCCAGCTACTCCTGCAGTG  
 GCTGAAGATGGATTTTCGTCGCGCCCTCTCAGTTGGCCTCACTGCCATCCCCAGGCGCTGGCCTATGCT  
 GAAGTGGCTGGACTCCC GCCCAGTATGGCCTCTACTCTGCCTTCATGGGCTGCTTCGTGTATTTCTTCC  
 TGGGCACCTCCCGGGATGTGACTCTGGGCCACC GCCATTATGTCCCTCCTGGTCTCCTTCTACACCTT  
 CCATGAGCCCGCTACGCTGTGCTGCTGGCCTTCTGTCCGGCTGCATCCAGCTGGCCATGGGGTCTGT  
 CGTTTGGGTTTCTGCTGGACTTCATTTCTACCCCGTCATTAAGGCTTCACTCTGCTGCTGCCGTCA  
 CCATCGGCTTTGGACAGATCAAGAACCTGCTGGGACTACAGAACATCCCCAGGCCGTTCTTCTGCAGGT  
 GTACCACACCTTCTCAGGATTGCAGAGACCAGGTTAGGTGACGCCGCTCCTGGGGCTGGTCTGCATGCTG  
 CTGCTGCTGGTGTGAAGCTGATGCGGGACCACGTGCCTCCCGTCCACCCGAGATGCCCCCTGGTGTGC  
 GGCTCAGCCGTGGGCTGGTCTGGGCTGCCACGACAGCTCGCAACGCCCTGGTGGTCTCCTTCGACGCCCT  
 GTTTGGTACTCCTTCGAGGTGACTGGATACCAGCCTTTCATCCTAACAGGGGAGACAGCTGAGGGGCTC  
 CCTCCAGTCCGGATCCCGCCCTTCTCAGTGACCACAGCCAACGGGACGATCTCCTTACCAGAGATGGTGC  
 AGGACATGGGAGCCGGGCTGGCCGTGGTCCCTGATGGGCTCCTGGAGAGCATTGCGGTGGCCAAAGC  
 CTTGCGATCTCAGAATAATTACCGCATCGATGCCAACCAGGAGCTGCTGGCCATCGGTCTACCAACATG  
 TTGGGCTCCCTCGTCTCCTCTACCCGGTACAGGCAGCTTTGGACGGACAGCCGTGAACGCTCAGTCGG  
 GGGTGTGCACCCCGGGGGGCTGGTGACGGGAGTGTGGTGTGCTGTCTCTGGACTACCTGACCTC  
 ACTGTTTACTACATCCCAAGTCTGCCCTGGCTGCCGTATCATCATGGCCGTGGCCCGCTGTTTCGAC  
 ACCAAGATCTTACAGGACGCTCTGGCGTGTAAAGAGGCTGGACCTGCTGCCCTGTGCGTGACCTTCTG  
 TGTGCTTCTGGGAGTGCAGTACGGCATCCTGGCCGGGCCCTGGTGTCTGCTCATGCTCCTGCACTC  
 TGCAGCCAGGCTGAGACCAAGGTGTCAGAGGGGCCGTTCTGGTCTGCAGCCGGCCAGCGGCTGTCC  
 TTCCCTGCCATGGAGGCTCTGCGGGAGGAGATCCTAAGCCGGGCCCTGGAAGTGTCCCGCCACGCTGCC  
 TGGTCTGGAGTGCACCCATGTCTGCAGCATCGACTACACTGTGGTGTGGGACTCGGCGAGCTCCTCCA  
 GGACTTCCAGAAGCAGGGCGTCGCCCTGGCCTTTGTGGGCTGCAGGTCCCGTCTCCGTGCTGCTG  
 TCCGCTGACCTGAAGGGTTCCAGTACTTCTTACCCTGGAAGAAGCAGAGAAGCACCTGAGGCAGGAGC  
 CAGGGACCCAGCCCTACAACATCAGAGAAGACTCCATTCTGGACCAAAGGTTGCCCTGCTCAAGGCA

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG230336 representing NM\_001166348  
 Red=Cloning site Green=Tags(s)

MPSSVTALGQARSSGPGMAPSACCCSPAALQRRPLILAWLPSYSLQWLKMDFVAGLSVGLTAIPQALAYA  
 EVAGLPPQYGLYSAFMGCFVYFFLGTSRDVTLGPTAIMSLLVSFYTFHEPAYAVLLAFLSGCIQLAMGVL  
 RLGFLLDFISYPVIKGFTSAAAVTIGFGQIKNLLGLQNI PRPFFLQVYHTFLRIAETRVGDVAVLGLVCM  
 LLLVLKLMRDHVPVHPMPGGVRLSRGLVWAATTARNALVVSFAALVAYSFEVTGYQPFILTGETAEG  
 PPVRI PPF SVTTANGTISFTEMVQDMGAGLAVVPLMGLLESIAVAKAFASQNNYRIDANQELLAIGLT  
 NM LGSLSVSSYPVTGSFGR TAVNAQSGVCTPAGGLVTGVLVLLSLDYL TSLFYIIPKSALAAVIMAVAPL  
 FD TKIFRTLWRVKRLDLLPLCVTFLLCFWEVQYIGILAGALVSLMLLHSAARPETKVSEGPVLLVLPASGL  
 S FPAMEALREEILSRALVSPRCLVLECHTVCSIDYTVVLGLGELLQDFQKQGVALLAVLQVPVLRVLL  
 SADLKGFYFSTLEEA EKHLRQEPGTQPYNI REDSILDQKVAL LKA

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI



<b>ORF Size:</b>	1818 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001166348.2</a>
<b>RefSeq Size:</b>	2860 bp
<b>RefSeq ORF:</b>	1821 bp
<b>Locus ID:</b>	284129
<b>UniProt ID:</b>	<a href="#">Q86WA9</a>
<b>Cytogenetics:</b>	17q25.3
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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]