

## Product datasheet for **RG206469**

### SLC22A11 (NM\_018484) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A11 (NM_018484) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC22A11
Synonyms:	hOAT4; OAT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG206469 representing NM\_018484  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGTTCTCGAAGCTCTTGGAGCAAGCCGGAGCGTGGGCCTCTCCAGACCCTGCAGGTGCTCACCT  
 TCATCCTCCCCTGCCTCATGATACCTTCCAGATGCTCCTGGAGAACTTCTCAGCCGCCATCCCAGGCCA  
 CCGATGCTGGACACACATGCTGGACAATGGCTCTGCGGTTTCCACAAACATGACCCCAAGGCCCTTCTG  
 ACCATCTCCATCCCGCCAGGCCCAACCAGGGGCCACCAGTGCCGCCGCTTCCGCCAGCCACAGTGGC  
 AGCTCTTGGACCCCAATGCCACGGCCACCAGCTGGAGCGAAGCTGACACGGAGCCGTGTGTGGACGGCTG  
 GGTCTATGACCGCAGCGTCTTACCTCCACCATCGTGGCCAAGTGGACCTGGTGTGCAGCTCCCAGGGC  
 TTGAAGCCCTAAGCCAGTCCATCTTATGTCCGGGATCTGGTGGGCTCCTTTATCTGGGGCTCCTCT  
 CCTACCGGTTTGGGAGGAAGCCGATGCTGAGCTGGTGTGCTCCTGCAGTTGGCCGTGGCGGCACCAGCAC  
 CATCTTCGCCCAACATTCGTACTACTGCGGCCTGCGGTTCTGGCCGCTTTTGGGATGGCCGGCATC  
 TTTCTGAGTTCACTGACACTGATGGTGGAGTGGACCACGACCAGCAGGAGGGCGGTACCATGACGGTGG  
 TGGGATGTGCCTTCAGCGCAGGCCAGGCCGGCGCTGGGCGGCTGGCCTTGGCCCTGCGGGACTGGAGGAC  
 TCTCCAGCTGGCAGCATCAGTGCCTTCTTTGCCATCTCCCTGATATCCTGGTGGCTGCCAGAATCCGCC  
 CGGTGGCTGATTATAAGGGCAAACCAGACCAAGCACTTCAGGAGCTCAGAAAGGTGGCCAGGATAAATG  
 GCCACAAGGAGGCCAAGAACCTGACCATAGAGGTGCTGATGTCCAGCGTGAAGGAGGAGGTGGCCTCTGC  
 AAAGGAGCCGCGTCCGTGCTGGACCTGTTCTGCGTGCCCGTGTCCGCTGGAGGAGCTGCCCATGCTG  
 GTGGTGAATTTCTCTATTGATCTCTACTATGGGCTGGTCTTCGACCTGCAGAGCTGGGCCGTGACA  
 TTTCTCCTCCAGGCCCTTTCGGGGCGTGGACTTCTGGGCCGGGCCACCAGTGCCTTGTGCTCAG  
 TTTCTTGGCCGCGCACCATCCAGCGGGTTCAGGCCATGGCCGGCCTCGCCATTCTAGCCAACATG  
 CTGGTGC CGCAAGATTTGCAGACCTGCGTGTGGTCTTTGCTGTGCTGGAAAGGGATGTTTTGGGATAA  
 GCCTAACCTGCCTCACCATCTACAAGGCTGAACCTTTTCCAACGCCAGTGCGGATGACAGCAGATGGCAT  
 TCTGCATACAGTGGGCCGGCTGGGGCTATGATGGGTCCCTGATCCTGATGAGCCGCCAAGCCCTGCC  
 CTGCTGCCTCCTCTCTATGGCGTTATCTCCATTGCTTCCAGCCTGGTGTGCTGTTCTTCTCCCGG  
 AGACCCAGGGACTTCGCTCCCTGACACTATCCAGGACCTGGAGAGCCAGAAATCAACAGCAGCCAGGG  
 CAACCGGCAAGAGGCCGCTACTGTGAAAGTACCTCGTC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG206469 representing NM\_018484  
 Red=Cloning site Green=Tags(s)

MAFSKLLAQAGGVGLFQTLQVLFILPCLMIPSQMLLENFSAIIPGHRWTHMLDNGSAVSTNMTPKALL  
 TISIPPGPNQGP HQRRFRQPQWQLDPNATATSWSEADTEPCVDGWVYDRSVFTSTIVAKWDLVCSQ  
 LKPLSQSIFMSGILVGSFIWGLLSYRFGRKPMLSWCCQLAVAGTSTIFAPT FVIYCGLRFVAAF  
 MAGIFLSSLTLMVEWTTTSTRRAVTMTVVGCAF SAGQAALGGLAFALRDWRTLQLAASVPPFAISLIS  
 WWLPESARWLIIKGPDPQALQELRKVARINGHKEAKNL TIEVLMSSVKEEVASAKEPRSVLDLFCVP  
 VLRWRSCAMLVVNFSL LISYYGLVFDLQSLGRDIFLLQALFGAVDFLGRATTALLSFLGRRTIQAGS  
 QAMAGLAILANMLVPQDLQTLRVVFAVLGKCGFISLTCLTIYKAELFPTPV RMTADGILHTVGRLGAM  
 MGPLILMSRQALPLLPPLLYGVISIASLVLFFLPETQGLPLPDTIQDLESQKSTAAQGNRQEAVT  
 VESTSL

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_018484

**ORF Size:** 1650 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:**

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\\_018484.4](#)

**RefSeq Size:** 2545 bp

**RefSeq ORF:** 1653 bp

**Locus ID:** 55867

**UniProt ID:** [Q9NSA0](#)

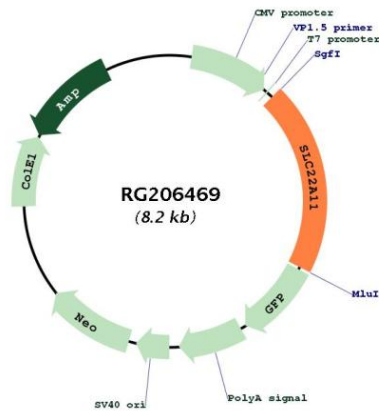
**Cytogenetics:** 11q13.1

**Domains:** sugar\_tr

**Protein Families:** Transmembrane

**Gene Summary:** The protein encoded by this gene is involved in the sodium-independent transport and excretion of organic anions, some of which are potentially toxic. The encoded protein is an integral membrane protein and is found mainly in the kidney and in the placenta, where it may act to prevent potentially harmful organic anions from reaching the fetus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

**Product images:**



Circular map for RG206469