

Product datasheet for **RC206469**

SLC22A11 (NM_018484) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A11 (NM_018484) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC22A11
Synonyms:	hOAT4; OAT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC206469 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGTTCTCGAAGCTCTTGGAGCAAGCCGGAGGCGTGGGCCTCTTCCAGACCCTGCAGGTGCTCACCT
 TCATCCTCCCCTGCCTCATGATACCTTCCAGATGCTCCTGGAGAACTTCTCAGCCGCCATCCCAGGCCA
 CCGATGCTGGACACACATGCTGGACAATGGCTCTGCGGTTTCCACAAACATGACCCCAAGGCCCTTCTG
 ACCATCTCCATCCCGCCAGGCCCAACCAGGGGCCACCAGTGCCGCCGCTTCCGCCAGCCACAGTGGC
 AGCTCTTGGACCCCAATGCCACGGCCACCAGTGGAGCGAAGCTGACACGGAGCCGTGTGTGGACGGCTG
 GGTCTATGACCGCAGCGTCTTACCTCCACCATCGTGGCCAAGTGGGACCTGGTGTGCAGCTCCCAGGGC
 TTGAAGCCCTAAGCCAGTCCATCTTATGTCCGGGATCTGGTGGGCTCCTTTATCTGGGGCTCCTCT
 CCTACCGGTTTGGGAGGAAGCCGATGCTGAGCTGGTGTGCTCCTGCAGTTGGCCGTGGCGGCCACCAGCAC
 CATCTTCGCCCAACATTCGTACTACTGCGGCCTGCGGTTCTGTGGCCGCTTTTGGGATGGCCGGCATC
 TTTCTGAGTTCACTGACACTGATGGTGGAGTGGACCACGACCAGCAGGAGGGCGGTCAACATGACGGTGG
 TGGGATGTGCCTTCCAGCCAGGCCAGGCCGGCGCTGGGCGGCTGGCCTTGGCCCTGCGGGACTGGAGGAC
 TCTCCAGCTGGCAGCATCAGTGCCTTCTTTGCCATCTCCCTGATATCCTGGTGGCTGCCAGAATCCGCC
 CGGTGGCTGATTATAAGGGCAAACCAGACCAAGCACTTCAGGAGCTCAGAAAGGTGGCCAGGATAAATG
 GCCACAAGGAGGCCAAGAACCTGACCATAGAGGTGCTGATGTCCAGCGTGAAGGAGGAGGTGGCCTCTGC
 AAAGGAGCCGCGTGGTGTGGACCTGTTCTGCGTGCCCGTGTCCGCTGGAGGAGCTGCGCCATGCTG
 GTGGTGAATTTCTCTATTGATCTCTACTATGGGCTGGTCTTCGACCTGCAGAGCCTGGGCCGTGACA
 TCTTCTCCTCCAGGCCCTTTCGGGGCCGTGGACTTCTGGGCCGGGCCACCAGTGCCTTGTGCTCAG
 TTTCTTGGCCGCGCACCATCCAGGCGGTTCCAGGCCATGGCCGGCCTCGCCATTCTAGCCAAACATG
 CTGGTGC CGCAAGATTTGCAGACCTGCGTGTGGTCTTTGCTGTGCTGGGAAAGGGATGTTTTGGGATAA
 GCCTAACCTGCCTCACCATCTACAAGGCTGAACCTTTTCCAACGCCAGTGCAGGATGACAGCAGATGGCAT
 TCTGCATACAGTGGGCCGGCTGGGGCTATGATGGGTCCCTGATCCTGATGAGCCGCCAAGCCCTGCC
 CTGCTGCCTCCTCTCTATGGCGTTATCTCCATTGCTTCCAGCCTGGTGTGCTGTTCTTCTCCCGG
 AGACCCAGGGACTTCGCTCCCTGACACTATCCAGGACCTGGAGAGCCAGAAATCAACAGCAGCCAGGG
 CAACCGGCAAGAGGCCGCTACTGTGAAAGTACCTCGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206469 protein sequence
 Red=Cloning site Green=Tags(s)

MAFSKLLSEQAGGVGLFQTLQVLFILPCLMIPSQMLLENFSAAIPGHRWTHMLDNLSAVSTNMTPKALL
 TISIPPGPNQGPQRRFRQPQWQLDPNATATSWSEADTEPCVDGWVYDRSVFTSTIVAKWDLVCSSQG
 LKPLSQSIFMSGILVGSFIWGLLSYRFRGKPMLSWCCQLAVAGTSTIFAPT FVIYCYGLRFVAAFVGMAGI
 FLSSLTLMVEWTTTSTRRAVTMTVVGCAFSAQAALGGLAFALRDWRTLQLAASVPPFAISLISWWLPESA
 RWLIKGGKPDQALQELRKVARINGHKEAKNL TIEVLMSSVKEEVASAKEPRSVLDLFCVPVLRWRSCAML
 VVNFSLLSIYYGLVFDLQSLGRDIFLLQALFGAVDFLGRATTALLSFLGRRTIQAGSQAMAGLAILANM
 LVPQDLQTLRVVFAVLGKGFISLTCLTIYKAELFPTPVRMTADGILHTVGRLGAMMPLILMSRQALP
 LLPPLLYGVISIASLVLVFLPETQGLPLPDTIQDLESQKSTAAQGNRQEAVTVESTSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6017_d09.zip

Restriction Sites:

Sgfl-MluI

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

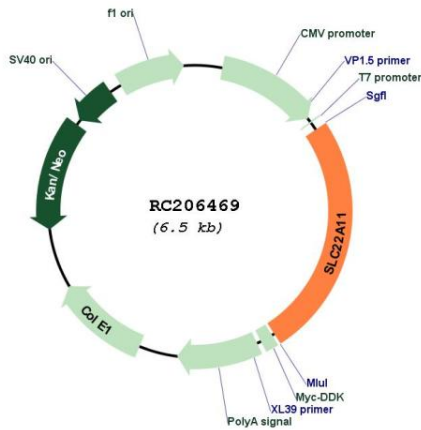
Domains: sugar_tr

Protein Families: Transmembrane

MW: 60 kDa

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 RC206469