

## Product datasheet for **SC113455**

### SLC22A11 (NM\_018484) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A11 (NM_018484) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC22A11
Synonyms:	hOAT4; OAT4
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC113455 sequence for NM\_018484 edited (data generated by NextGen Sequencing)

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ATGGCGTTCTCGAAGCTCTTGGAGCAAGCCGGAGGCGTGGGCTCTTCCAGACCCTGCAG
GTGCTCACCTTCATCCTCCCCTGCCTCATGATACCTTCCCAGATGCTCCTGGAGAACTTC
TCAGCCGCCATCCCAGGCCACCGATGCTGGACACACATGCTGGACAATGGCTCTGCGGTT
TCCACAAACATGACCCCCAAGGCCCTTCTGACCATCTCCATCCCAGGCCCAATGCC
GGGCCCAACCAGTGGCCGCGCTCCGCCAGCCACAGTGGCAGCTCTTGGACCCCCAATGCC
ACGGCCACCAGCTGGAGCGAAGCTGACACGGAGCCGTGTGTGGACGGCTGGGTCTATGAC
CGCAGCGTCTTACCTCCACCATCGTGGCCAAGTGGGACCTGGTGTGCAGCTCCCAGGGC
TTGAAGCCCTAAGCCAGTCCATCTTATGTCCGGGATCCTGGTGGGCTCCTTTATCTGG
GGCCTCTCTCTACCGTTTGGGAGGAAGCCGATGCTGAGCTGGTGTGCTGCCTGCAGTTG
GCCGTGGCGGGCACCAGCACCATCTTCGCCCAACATTGTCATCTACTGCGGCCTGCGG
TTCGTGGCCGCTTTTGGGATGGCCGGCATCTTCTGAGTTCAGTACTGACACTGATGGTGGAG
TGGACCAGCAGCAGGAGGGCGGTACCATGACGGTGGTGGGATGTGCCTTCAGCGCA
GGCCAGGCGGCGCTGGGCGGCTGGCCTTGGCCCTGCGGGACTGGAGACTCTCCAGCTG
GCAGCATCAGTGCCTTCTTTGCCATCTCCCTGATATCCTGGTGGCTGCCAGAATCCGCC
CGGTGGCTGATTATTAAGGGCAAACCAGACCAAGCACTTCAGGAGCTCAGAAAGGTGGCC
AGGATAAATGGCCACAAGGAGGCCAAGAACCTGACCATAGAGGTGCTGATGTCCAGCGTG
AAGGAGGAGGTGGCCTCTGCAAAGGAGCCGCGGTGGTGTGACCTGTCTGCGTGGCC
GTGCTCCGCTGGAGGAGCTGCGCCATGCTGGTGGTGAATTTCTCTCTATTGATCTCCTAC
TATGGGCTGGTCTTCGACCTGCAGAGCCTGGGCCGTGACATCTTCTCCTCCAGGCCCTC
TTCGGGGCCGTGGACTTCTGGCCGGGCCACCACTGCCCTTGGCTCAGTTTCCCTTGGC
CGCCGCACCATCCAGCGGGTTCAGGCCATGGCCGGCCTCGCCATTCTAGCCAAACATG
CTGGTGGCCGAAGATTTGCAGACCCTGCGTGTGGTCTTTGCTGTGCTGGGAAAGGATGT
TTTGGGATAAGCCTAACCTGCCTCACCATCTACAAGGCTGAACTTTTCCAAACGCCAGTG
CGGATGACAGCAGATGGCATTCTGCATACAGTGGGCCGGCTGGGGCTATGATGGGTCCC
CTGATCCTGATGAGCCGCAAGCCCTGCCCTGCTGCCTCCTCTCTATGGCGTTATC
TCCATTGCTTCCAGCCTGGTGTGCTGTTCTTCTCCCGAGACCAGGGACTTCCGCTC
CCTGACACTATCCAGGACCTGGAGAGCCAGAAATCAACAGCAGCCAGGGCAACCCGGCAA
GAGGCCGTCACTGTGAAAGTACCTCGCTCTAG
    
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Clone variation with respect to NM\_018484.2

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_018484 unedited

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GCAGCATTTGTAATACGACTTACNTATAGGGCGGCCGGAATTCGCACGANAAACAGCAG
TTAGGTCAGCAGTCCGCTCAGCCGAGGCAGCTCTGTTTCATGGCGTTCTCGAAGCTCTTGG
AGCAAGCCGGAGGCGTGGGCTTCCAGACCCTGCAGGTGCTCACCTTCATCCTCCCCT
GCCTCATGATACCTTCCCAGATGCTCCTGGAGAATTCTCAGCCGCATCCCAGGCCACC
GATGCTGGACACACATGCTGGACAATGGCTCTGCGGTTTCCACAAACATGACCCCCAAGG
CCCTTCTGACCATCTCCATCCCAGGCCCAACCAGGGGCCCAACCAGTGGCCGCGCT
TCCGCCAGCCACAGTGGCAGCTCTTGGACCCCAATGCCACGGCCACCAGCTGGAGCGAAG
CTGACACGGAGCCGTGTGTGGACGGCTGGGTCTATGACCCGAGCGTCTTACCTCCACCA
TCGTGGCCAAGTGGGACCTGGTGTGCAGCTCCCAGGGCTTGAAGCCCTAAGCCAGTCCA
TCTTCATGTCCGGATCCTGGTGGGCTCCTTTATCTGGGGCTCCTCTCCTACCGGTTTG
GGAGGAAGCCGATGCTGAGCTGGTGTGCTGCAGTTGGCCGTGGCGGGCACCAGCACCA
TCTTCGCCCAACATTGTCATCTACTGCGGCCTGCGGTTGCTGGCCGCTTTTGGGATGG
CCGGCATCTTTCTGAGTTCACTGACACTGATGGTGGAGTGGACCAGCAGCAAGGAGG
CGGTACCATGACGGTGGTGGGATGTGCCTTACAGCGCAGGCCAAAGCGCGCTGGCGGCC
TGGCCTTGGCCCTGCGGGACTGGAGGACTCTCCAGCTGGCAGCATCAATGCCCTTCTTG
GCATCTNCCTGATATCCTGGTGGCTGCCAAAATCGGCCGCTTGTGAATATTAAGGGCAA
CCN
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_018484 unedited AAAAGTTGGGGCCACNNANAGGCACGTGCTAACTACGTTACCCCTGCTACCTGCCCTGGG GGGTGGGTACAGTGATCATTCTCATTTACATATGAGGGCTCTGTATGTGGTGGGGTGAG ATTGGAACCCAGTCTCTGGTTGGCGTGGCTGAGTGAAGGTGTAAGACATGAGCCTGGCA GGGAAAGGGAGGGGAACCGTCTCGTTATTGGTTGGGCATGGCCATCTGCACAGGCTCCTG TAGGGCCCGGGTAAGGTGGGGAATCTGATCAGGGCAGGGAGAAGAGGAGTGAGCTGTGGA AGCTGCCTTCAGCCACAGCAGACGGCCACGCTGTCCACTCGGCCACGGCTGCCTGGCCTC TGCCATGCCAGGCCCTTGAAGTCGCCAACTCGCCTCCACGCTCTGATTGGAGAAGAGGC AACTCCTTTCCAGGAGTCTTTGACTAAAGGGGCTCCATGCAGGCACAATTTCTAGAGCGA GGTACTTTCCACAGTGACGGCCTCTTGCCGGTTGCCCTGGGCTGCTGTTGATTTCTGGCT CTCCAGGTCTGGATAGTGTGAGGGAGCGGAAGTCCCTGGGTCTCCGGGAGGAAGAACAG CACAACAGGCTGGAAGCAATGGAGATAACGCCATATAGGAGAGGAGGCAGCAGGGGCAG GGTTGGCGGCTCATCAGGATCAGGGGACCCATCATAGCCCCAGCCGGCCCACTGTATG CAGAATGCCATCTGCTGCATCCGCACTGGCGTTGGAAAGAGTTCAGCCTGTAGATGGT GAGGCAGTTAGGCTTATCCCAAACATCCCTTTCCAGCACAGCAAAGACCCACGCAGGG TCTGCAAATCTTGCAAGCACCAGCATGTTGGCTAGAATG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_018484
<b>Insert Size:</b>	2250 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>	<u><a href="#">NM_018484.2</a></u> , <u><a href="#">NP_060954.1</a></u>
<b>RefSeq Size:</b>	2545 bp
<b>RefSeq ORF:</b>	1653 bp
<b>Locus ID:</b>	55867
<b>UniProt ID:</b>	<u><a href="#">Q9NSA0</a></u>
<b>Cytogenetics:</b>	11q13.1
<b>Domains:</b>	sugar_tr
<b>Protein Families:</b>	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]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).