

Product datasheet for **SC306577**

SLC22A6 (NM_153278) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A6 (NM_153278) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC22A6
Synonyms:	HOAT1; OAT1; PAHT; ROAT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_153278 edited
 CAAGGGTCAGGTCTCCAGCAGACCCTGAAAAGCTGAGCTGCCCTGACCCCCAAAGTGAGGA
 GAAGCTGCAAGGGAAAAGGGAGGGACAGATCAGGGAGACC GGGAAGAAGGAGGAGCAGC
 CAAGGAGGCTGTGTCCCCACAGAGCAGCTCGGACTCAGCTCCCGGAGCAACCCAGCT
 GCGGAGGCAACGGCAGTGTCTCTCCAGCGAAGGACAGCAGGCAGGCAGACAGACAGA
 GGTCTGGGACTGGAAGGCCTCAGCCCCAGCCACTGGGCTGGCCTGGCCAATGGCCT
 TTAATGACCTCCTGCAGCAGGTGGGGGTGTCGGCCGCTTCCAGCAGATCCAGGTCACCC
 TGGTGGTCTCCCTGCTCCTGATGGCTTCTACAACACCCTGCAGAACTTCACTGCTG
 CCATCCCTACCCACCACTGCCGCCCGCCTGCCGATGCCAACCTCAGCAAGAACGGGGGGC
 TGGAGGTCTGGCTGCCCCGGGACAGGCAGGGGCAGCCTGAGTCTGCCTCCGCTTCACT
 CCCCAGTGGGGACTGCCCTTCTCAATGGCACAGAAGCCAATGGCACAGGGGCCACAG
 AGCCCTGCACCGATGGCTGGATCTATGACAACAGCACCTTCCCATCTACCATCGTGACTG
 AGTGGGACCTTGTGTCTCTCACAGGGCCCTACGCCAGCTGGCCAGTCTTGTACATGG
 TGGGGTGTCTCGGAGCCATGGTGTTCGGCTACCTTGACAGCAGGCTAGGCCGCCGGA
 AGGTACTCATCTTGAACCTACCTGCAGACAGCTGTGTGAGGACCTGCGCAGCCTTCCGAC
 CCAACTTCCCCATCTACTGCGCCTTCCGGCTCCTCTCGGGCATGGCTCTGGCTGGCATCT
 CCCTCAACTGCATGACACTGAATGTGGAGTGGATGCCATTACACACGGGCCTGCGTGG
 GCACCTTGATTGGCTATGTCTACAGCCTGGGCCAGTTCCTCCTGGCTGGTGTGGCCTACG
 CTGTGCCCCACTGGGCCACCTGCAGCTACTGGTCTCTGCGCCTTTTTTGCCTTCTTCA
 TCTACTCTGGTCTTCTTATTGAGTCGGCCCGCTGGCACTCCTCTCCGGGAGGCTGGACC
 TCACCCTGAGGGCCCTGCAGAGAGTCGCCCGGATCAATGGGAAGCGGGAAGAAGGAGCCA
 AATTGAGTATGGAGGTAATCCGGCCAGTCTGCAGAAGGAGCTGACCATGGGCAAAGGCC
 AGGCATCGGCCATGGAGCTGCTGCGCTGCCCCACCCTCCGCCACTTCTCCTGTGCCTCT
 CCATGTGTGGTTTGCCACTAGCTTTCATACTATGGGCTGGTCAATGGACCTGCAGGGCT
 TTGGAGTCAGCATCTACCTAATCCAGGTGATCTTTGGTGTGTGGACCTGCCTGCCAAGC
 TTGTGGGCTTCTTGTCACTCAACTCCCTGGGTCGCCGGCCTGCCAGATGGCTGCACTGC
 TGCTGGCAGGCATCTGCATCCTGCTCAATGGGGTGATACCCAGGACCAGTCCATTGTCC
 GAACCTCTTGTGTGTGGGGAAGGGTTGTCTGGCTGCCTCCTCAACTGCATCTTCC
 TGTATACTGGGAACTGTATCCACAATGATCCGCGTGTCACTGTCTCCTGCCAGAGA
 CCCTGGGCCAGCCACTGCCAGACACGGTGCAGGACCTGGAGAGCAGGTGGGCCCCACTC
 AGAAAGAAGCAGGATATATCCAGGAAAGGAAACAGACGCGACAGCAACAAGAGCACC
 AGAAGTATATGGTCCACTGCAGGCCTCAGCACAGAGAAGAATGGACTCTGAGGACTGA
 GAAGGGGCCTTACAGAACCCTAAAGGGAGGGAAGGTCTACAGGTCTCCGGCCACCCACA
 CAAGGAGGAGGAAGAGGAAATGGTGACCCAAGTGTGGGGTGTGGTTACAGGAAAGCATC
 TTCCCAGGGTCCACCTCCCTTTATAAACCCACCAGAACACATCATTAAAAGTTTGA
 CTGCGCACCAA

Restriction Sites: Please inquire

ACCN: NM_153278

Insert Size: 2100 bp

OTI Disclaimer: 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_153278.1</u> , <u>NP_695010.1</u>
RefSeq Size:	2064 bp
RefSeq ORF:	1560 bp
Locus ID:	9356
UniProt ID:	<u>Q4U2R8</u>
Cytogenetics:	11q12.3
Protein Families:	Transmembrane
Gene Summary:	<p>The protein encoded by this gene is involved in the sodium-dependent transport and excretion of organic anions, some of which are potentially toxic. The encoded protein is an integral membrane protein and may be localized to the basolateral membrane. Four transcript variants encoding four different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (4, also called OAT1-4) lacks an alternate in-frame segment compared to variant 1, resulting in a shorter isoform (d) compared to isoform a.</p>