

Product datasheet for **SC303532**

SLC22A6 (NM_004790) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A6 (NM_004790) 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: >NCBI ORF Sequence for NM_004790. The custom clone sequence may differ by one or more nucleotides

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ATGGCCTTTAATGACCTCCTGCAGCAGGTGGGGGTGTCGGCCGCTTCCAGCAGATCCAG
GTCACCTGGTGGTCCTCCCCCTGCTCCTGATGGCTTCTCACAACACCCTGCAGAACTTC
ACTGCTGCCATCCCTACCCACTGCGCCCGCTGCCGATGCCAACCTCAGCAAGAAC
GGGGGGCTGGAGGTCTGGCTGCCCGGGACAGGCAGGGCAGCCTGAGTCCTGCCCTCCG
TTCACCTCCCGCAGTGGGGACTGCCCTTCTCAATGGCACAGAAGCCAATGGCACAGGG
GCCACAGAGCCCTGCACCGATGGCTGGATCTATGACAACAGCACCTTCCCATCTACCATC
GTGACTGAGTGGGACCTTGTGTGCTCTCACAGGGCCCTACGCCAGCTGGCCAGTCCCTTG
TACATGGTGGGGGTGCTGCTCGGAGCCATGGTGTTCGGCTACCTTGACAGACAGGTAGGC
CGCCGGAAGGTAATCATCTTGAACACCTGCAGACAGCTGTGTCAGGGACCTGCGCAGCC
TTCGCACCAACTTCCCATCTACTGCGCCTTCCGGCTCCTCTCGGGCATGGCTCTGGCT
GGCATCTCCCTCAACTGCATGACACTGAATGTGGAGTGGATGCCATTACACACGGGCC
TGCCTGGGCACCTTGATTGGCTATGTCTACAGCCTGGGCCAGTTCCTCCTGGCTGGTGTG
GCCTACGCTGTGCCCCACTGGCGCCACCTGCAGCTACTGGTCTCTGCGCCTTTTTTTGCC
TTCTTCATCTACTCCTGGTCTTTCATTGAGTCGGCCCGCTGGCACTCCTCCTCCGGGAGG
CTGGACCTCACCTGAGGGCCCTGCAGAGAGTCGCCCGGATCAATGGGAAGCGGGGAAGAA
GGAGCCAAATTGAGTATGGAGGTAATCCGGGCCAGTCTGCAGAAGGAGCTGACCATGGGC
AAAGGCCAGGCATCGGCCATGGAGCTGCTGCGCTGCCCCACCCTCCGCCACCTCTTCCTC
TGCTCTCCATGCTGTGGTTTGGCACTAGCTTTGCATACTATGGGCTGGTCATGGACCTG
CAGGGCTTTGGAGTCAGCATCTACCTAATCCAGGTGATCTTTGGTGTGTGGACCTGCCT
GCCAAGCTTGTGGCTTCTTGTCTCACTCCCTGGGTGCGCCGGCTGCCAGATGGCT
GCACTGCTGCTGGCAGGCATCTGCATCCTGCTCAATGGGGTGATACCCAGGACCAGTCC
ATTGTCGGAACCTCTTGTGCTGTGCTGGGGAAGGTTGTCTGGCTGCCTCCTTCAATGC
ATCTTCTGTATACTGGGAACTGTATCCACAATGATCCGGCAGACAGGCATGGGAATG
GGCAGCACCATGGCCGAGTGGGCAGCATCGTGAGCCACTGGTGGAGCATGACTGCCGAG
CTTACCCTCCATGCCTCTTTCATCTACGGTGTGTTCTGTGGCCGCCAGCGCTGTC
ACTGCTCCTGCCAGAGACCCTGGCCAGCCACTGCCAGACACGGTGCAGGACCTGGAG
AGCAGGTGGGCCCCACTCAGAAAGAAGCAGGGATATATCCAGGAAAGGGAAACAGACG
CGACAGCAACAAGAGCACCAGAAGTATATGGTCCCACTGCAGGCCTCAGCACAAGAGAAG
AATGGACTC
    
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Restriction Sites: Please inquire

ACCN: NM_004790

Insert Size: 2200 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_004790.3</u> , <u>NP_004781.2</u>
RefSeq Size:	2196 bp
RefSeq ORF:	1692 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 (1, also called hOAT1-1) represents the longest transcript and encodes the longest isoform (a).</p>