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Product datasheet for SC123302

SLC22A6 (NM_153276) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A6 (NM_153276) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC22A6
Synonyms:	HOAT1; OAT1; PAHT; ROAT1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_153276, the custom clone sequence may differ by one or more nucleotides

ATGGCCTTTAATGACCTCCTGCAGCAGGTGGGGGGTGTCGGCCGCTTCCAGCAGATCCAGGTCACCCTGG
TGGTCCTCCCCCTGCTCCTGATGGCTTCTCACAACACCCTGCAGAACTTCACTGCTGCCATCCCTACCCA
CCACTGCCGCCCGCCTGCCGATGCCAACCTCAGCAAGAACGGGGGGCTGGAGGTCTGGCTGCCCCGGGAC
AGGCAGGGGCAGCCTGAGTCCTGCCTCCGCTTCACCTCCCCGCAGTGGGGACTGCCCTTTCTCAATGGCA
CAGAAGCCAATGGCACAGGGGCCACAGAGCCCTGCACCGATGGCTGGATCTATGACAACAGCACCTTCCC
ATCTACCATCGTGACTGAGTGGGACCTTGTGTGCTCTCACAGGGCCCTACGCCAGCTGGCCCAGTCCTTG
TACATGGTGGGGGTGCTGCTCGGAGCCATGGTGTTCGGCTACCTTGCAGACAGGCTAGGCCGCCGGAAGG
TACTCATCTTGAACTACCTGCAGACAGCTGTGTCAGGGACCTGCGCAGCCTTCGCACCCAACTTCCCCAT
CTACTGCGCCTTCCGGCTCCTCTCGGGCATGGCTCTGGCTGGCATCTCCCTCAACTGCATGACACTGAAT
GTGGAGTGGATGCCCATTCACACACGGGCCTGCGTGGGCACCTTGATTGGCTATGTCTACAGCCTGGGCC
AGTTCCTCCTGGCTGGTGTGGCCTACGCTGTGCCCCACTGGCGCCACCTGCAGCTACTGGTCTCTGCGCC
TTTTTTTGCCTTCTTCATCTACTCCTGGTTCTTCATTGAGTCGGCCCGCTGGCACTCCTCCTCCGGGAGG
CTGGACCTCACCCTGAGGGCCCTGCAGAGAGTCGCCCGGATCAATGGGAAGCGGGAAGAAGGAGCCAAAT
TGAGTATGGAGGTACTCCGGGCCAGTCTGCAGAAGGAGCTGACCATGGGCAAAGGCCAGGCATCGGCCAT
GGAGCTGCTGCGCTGCCCCACCCTCCGCCACCTCTTCCTCTGCCTCTCCATGCTGTGGTTTGCCACTAGC
TTTGCATACTATGGGCTGGTCATGGACCTGCAGGGCTTTGGAGTCAGCATCTACCTAATCCAGGTGATCT
TTGGTGCTGTGGACCTGCCTGCCAAGCTTGTGGGCTTCCTTGTCATCAACTCCCTGGGTCGCCGGCCTGC
CCAGATGGCTGCACTGCTGCTGGCAGGCATCTGCATCCTGCTCAATGGGGTGATACCCCAGGACCAGTCC
ATTGTCCGAACCTCTCTTGCTGTGCTGGGGAAGGGTTGTCTGGCTGCCTCCTTCAACTGCATCTTCCTGT
ATACTGGGGAACTGTATCCCACAATGATCCGGCAGACAGGCATGGGAATGGGCAGCACCATGGCCCGAGT
GGGCAGCATCGTGAGCCCACTGGTGAGCATGACTGCCGAGCTCTACCCCTCCATGCCTCTCTTCATCTAC
GGTGCTGTTCCTGTGGCCGCCAGCGCTGTCACTGTCCTCCTGCCAGAGACCCTGGGCCAGCCACTGCCAG
ACACGGTGCAGGACCTGGAGAGCAGGAAAGGGAAACAGACGCGACAGCAACAAGAGCACCAGAAGTATAT
GGTCCCACTGCAGGCCTCAGCACAAGAGAAGAATGGACTCTGA

Restriction Sites: Please inquire

ACCN: NM_153276

Insert Size: 2180 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

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_153276.1, NP_695008.1
RefSeq Size:	2194 bp
RefSeq ORF:	1653 bp
Locus ID:	9356
UniProt ID:	Q4U2R8
Cytogenetics:	11q12.3
Protein Families:	Transmembrane
Gene Summary:	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] Transcript Variant: This variant (2, also called OAT1-2) lacks an alternate in-frame segment compared to variant 1, resulting in a shorter isoform (b) compared to isoform a.