

Product datasheet for **SC122673**

SLC22A8 (NM_004254) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A8 (NM_004254) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC22A8
Synonyms:	OAT3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_004254 edited
AGCTTGTTAGAGCTGAGCTGCCCTACTACAGCAGCTGCCGGCCCTAGGACAGAGCAGGG
ACCTCAACTACTGATCACCAGCCCCATCGGATCCAGACCCGGCCACCAGCTCTGGCTC
GTCTTGCCCCAGTGCCATGACCTTCTCGGAGATCCTGGACCGTGTGGGAAGCATGGGCCA
TTTCCAGTTCTGCATGTAGCCATACTGGGCTCCCGATCCTCAACATGGCCAACCACAA
CCTGTGCAGATCTTACAGCCGCCACCCTGTCCACCCTGTGCCCCGCCACCAATGC
CTCCACAGGGCCTTGGGTGCTCCCATGGGCCAAATGGGAAGCCTGAGAGGTGCCTCCG
TTTTGTACATCCGCCCAATGCCAGCCTGCCCAATGACACCCAGAGGGCCATGGAGCCATG
CCTGGATGGCTGGTCTACAACAGCACCAAGGACTCCATTGTGACAGAGTGGGACTTGGT
GTGCAACTCCAACAACTGAAGGAGATGGCCAGTCTATCTTCATGGCAGGTATACTGAT
TGGAGGGCTCGTCTGGAGACCTGTCTGACAGGTTTGGCCGAGGCCCATCCTGACCTG
CAGCTACCTGCTGCTGGCAGCCAGCGGCTCCGGTGCAGCCTTCAGCCCCACCTTCCCAT
CTACATGGTCTTCCGCTTCTGTGTGGCTTTGGCATCTCAGGCATTACCCTGAGCACCGT
CATCTTGAATGTGAATGGTGCCTACCCGGATGCGGGCCATCATGTCGACAGCACTCGG
GTACTGCTACACCTTTGGCCAGTTCATTCTGCCGGCCTGGCCTACGCCATCCCCAGTG
GGTTGGCTGCAGTAACTGTGTCCATTCCCTTCTCGTCTTCTCCTATCATCCTGGTG
GACACCAGAGTCCATACGCTGGTTGGTCTTGTCTGGAAAGTCTCGAAGGCCCTGAAGAT
ACTCCGGCGGGTGGCTGTCTTCAATGGCAAGAAGGAGAGGGAGAAAGGCTCAGCTTGGG
GGAGCTCAAACCTCAACCTGCAGAAGGAGATCTCCTTGGCCAAGGCCAAGTACACCGCAAG
TGACCTGTTCCGGATACCCATGCTGCGCCGATGACCTTCTGTCTTCCCTGGCCTGGTT
TGCTACCGGTTTTGCCTACTATAGTTTGGCTATGGGTGTGGAAGAATTTGGAGTCAACCT
CTACATCTCCAGATCATCTTGGTGGGTGATGTCCAGCCAAGTTCATCACCATCCT
CTCCTTAAGCTACCTGGCCGGCATAACCACTCAGGCCGCTGCCCTGCTCCTGGCAGGAGG
GGCCATCTTGGCTCACCTTTGTGCCCTTGGACTTGCAGACCGTGAGGACAGTATTGGC
TGTGTTTGGGAAGGGATGCCTATCCAGCTCCTCAGCTGCCTTCTCCTACACAAGTGA
ATTATACCCACAGTCATCAGGCAAACAGGTATGGGCGTAAGTAACCTGTGGACCCGCGT
GGGAAGCATGGTGTCCCCGCTGGTGAATAACACGGGTGAGGTACAGCCCTTATCCCCAA
TATCATCTACGGGATCACCGCCCTCCTCGGGGGCAGTGTGCCCTTCTCCTGCCTGAGAC
CCTGAATCAGCCCTTGCCAGAGACTATCGAAGACCTGGAAAAGTGGTCCCTGCGGGCAA
GAAGCAAAGCAGGAGCCAGAGGTGAAAAGGCCTCCAGAGGATCCCTCTACAGCCTCA
CGGACCAGGCCTGGGCTCCAGCTGAGGACAACGGAACCCCTTTCCCTGCCCTCCAGAGA
CTGATCCTAGCCAGGCACCTTAGGAGTATAGGGAGGCCCATATAGGTCCATCCTCCTAG
GATGAAGCCTTCTGAGAGCTTGGTGAAGGTGTCTCCATACCACCACCAGAGCCTCCTGC
CCAGCCCTGGCCAGTTCAAAGTTTCAGCCATCCCTGCCCTTGTCTCCCTGCAACCCAGG
CCCTGCCATTCTTCTGTCTAGCCCTTCCCCTGGCCACCTTCCCCACTGTCCCGGTCC
TCTTCCCTGAGGTCCCCTGATATCCCCTGGCTCAGTCCAAACAAGACTGAGTCTTAACA
AGATGAGAAGTCTCCCCTTCTTGCCCTCCACACTTTTCTTTGATGGGAGGTTTCAATAA
ACAGCGATAAGAACTCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004254 unedited NNGGGAGTTCAGAATTTGTAATACGACTCACTATNAGGGCGGCCGNAATTCGCCATTA CGGCCGGGAGCTTGTTAGAGCTGAGCTGCCCTACTACAGCAGCTGCCGGCCCCTAGGAC AGAGCAGGGACCTCAACTACACTGATCACCAGCCCCATCGGATCCAGACCCGGCCACCAG CTCTGGCTCGTCTGCCCCAGTGCCATGACCTTCTCGGAGATCCTGGACCGTGTGGGAAG CATGGGCCATTTCCAGTTCCTGCATGTAGCCATACTGGGCCTCCCGATCCTCAACATGGC CAACCACAACCTGCTGCAGATCTTCACAGCCGCCACCCCTGTCCACCCTGTCGCCCGCC CCACAATGCCTCCACAGGCCTTGGGTGCTCCCATGGGCCAAATGGGAAGCCTGAGAG GTGCCTCCGTTTTGTACATCCGCCCAATGCCAGCCTGCCCAATGACACCCAGAGGGCCAT GGAGCCATGCCTGGATGGCTGGGTCTACAACAGCACCAAGGACTCCATTGTGACAGAGTG GGACTTGGTGTGCAACTCCAACAACTGAAGGAGATGGCCAGTCTATCTTCATGGCAGG TATACTGATTGGAGGGCTCGTGTGGAGACCTGTCTGACAGGTTTGGCCGAGGCCCAT CCTGACCTGCAGTACCTGCTGCTGGCAGCCAGCGGCTCCGGTGCAGCCTTCAGCCCCAC CTTCCCATCTACATGGTCTTCCGCTTCTGTGTGGCTTTGGCATCTCAGGCATTACCT GAGCACCGTCATCTTTGATGTGGAATGGGTGCCTACCCGGATGCGGGCCATCATGTGCG AGCACTCGGGTACTGCTACACCTTTGGCCAGTTCATTCTGNCCGNCTGGCCTACNGCAT TCCCCATGGCGTTGGC
Restriction Sites:	Please inquire
ACCN:	NM_004254
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
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:	NM_004254.2 , NP_004245.2
RefSeq Size:	2207 bp

RefSeq ORF: 1629 bp

Locus ID: 9376

UniProt ID: [Q8TCC7](#)

Cytogenetics: 11q12.3

Protein Families: Transmembrane

Gene Summary: This gene encodes a protein 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 appears to be localized to the basolateral membrane of the kidney. Multiple alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, May 2010]

Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 encode the same protein (isoform 1).