

Product datasheet for **SC115949**

SLC22A7 (NM_006672) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A7 (NM_006672) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC22A7
Synonyms:	hOAT11; NLT; OAT2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006672 edited
 CTGGCTGGATACTAGAGGGAGGCTGCACCTGAAGCATTTGGTGGGTGAGCAGCATGGGCT
 TTGAGGAGCTGCTGGAGCAGGTGGGCGGCTTTGGGCCCTTCCAAGTGCAGGAAATGTGGCAC
 TGCTGGCCCTGCCCGAGTGTGCTACCACTGCACTTCTCTCTGCCCATCTTCTCTGGCTG
 CCGTGCCTGCCACCGATGTGCCCTGCCGGTGGCCCTGCCAAGTTCAGCCATCAGGATG
 TGTGGCTGGAGGCCATCTTCCCGGGAGCCTGATGGCAGCTCAGCTCCTGCCTCCGCT
 TTGCCTATCCCCAGGCTCTCCCCAACACCACGTTGGGGGAAGAAAGGCAGAGCCGTGGGG
 AGCTGGAGGATGAACCTGCCACAGTGCCTGCTCTCAGGGCTGGGAGTAGACCACCTCAG
 AATTCTCTCTACCAATTGCAACTGAGTGGGATCTGGTGTGTGAGCAGAAAAGTCTGAACA
 GAGCTGCGTCCACTTTCTTCTCGCCGGTGTGCTGGTGGGGGCTGTGGCCTTTGGATATC
 TGTCCGACAGGTTTGGGCGGCGGCTGCTGCTGGTAGCCTACGTGAGTACCCTGGTGC
 TGGGCTGGCATCTGCAGCCTCCGTGAGTATGTAATGTTTCCATCACCACGACCCCTTA
 CTGGCTCAGCCCTGGCTGGTTTTACCATCATCGTATGCCACTGGAGCTGGAGTGGCTGG
 ATGTGGAGCACCACCGTGGCTGGAGTCTGAGCAGCACCTTCTGGACAGGGGGCGTGA
 TGCTGCTGGCACTGGTTGGGTACCTGATACGGGACTGGCGATGGCTTCTGCTAGTGTCA
 CCTGCCTTGTGCCCCAGGCATCCTCAGCCTCTGGTGGTGCCTGAGTCTGCACGCTGGC
 TTCTGACCCAAGGCCATGTGAAAGAGGCCACAGGTAAGTCTGCTCCACTGTGCCAGGCTCA
 ATGGGCGGCCAGTGTGTGAGGACAGCTTCCAGCAGGAGGCTGTGAGCAAAGTGGCCGCCG
 GGAACCGGTGGTCCGAAGACCTTCATACCTAGACCTGTTCCGCACACCACGGCTCCGAC
 ACATCTCACTGTGCTGCGTGGTGGTGTGGTTCGGAGTGAAGTCTCTCTATTACGGCTGA
 GTCTGGATGTGTGGGGCTGGGGCTGAACGTGTACCAGACACAGCTGTTGTTCCGGGGCTG
 TGAAGTGCCTCCAAGTGTGGTCTACTTGTGGTGGCTACGCAGGACGCCCGCTCA
 CGCAAGCCGGGACACTGCTGGGACGGCCCTGGCGTTCGGCACTAGACTGCTAGTGTCT
 CCGATATGAAGTCTGGAGCACTGTCCTGGCAGTGTGGGAAAGCTTTTTCTGAAGCTG
 CCTTACCACCTGCCTACCTGTTCACTTCAAGTGTACCCTACGGTGTGCTCAGACAGACAG
 GGATGGGGCTGACTGCACTGGTGGGCGGCTGGGGGGCTCTTTGGCCCCACTGGCGGCT
 TGCTGGATGGAGTGTGGCTGTCACTGCCAAGCTTACTTATGGGGGGATCGCCCTGCTGG
 CTGCCGGCACCCTCTCTGCTGCCAGAGACGAGGCAGGCACAGCTGCCAGAGACCATCC
 AGGACGTGGAGAGAAAGAGTGCCTCAACAGTCTTCCAGGAGGAAGAGATGCCATGAAGC
 AGGTCCAGAACTAAGTGGGAGTGGAGGCAGGCCCTCCACAGAAGCTTGCAGCAGGGGCT
 GGGAGAGCAGAAGGGCAGGCCCTGCAACTCAGGCTGGGAGTATCGAACCTCTGCCTAGG
 GCCGGAGTTGCTGCCAGTACCCGCTCCCTCTGCTCATCCATCCTTGATTATTTGGCTTCT
 AGGAACAGTTGACTTCCAGAAATGCAGTGGGCTGCTGGGCACCCCTCTCACGGTTGGGGA
 GGATTCTGTAATAAAGGTGCCCTTGGGTTGGGGCAGTGGTGCAGAGCTGTGGGAAGAG
 CCCTGGATAGGAAGCCACTGAGTCTGCCCTGGGCTCTGATAAAACCTTACCATTAACTT
 GCTGTGTGACCTTGGGCATGTGGCTTCCCTCTCTGGGCTCAGTCTGTTTCACTCTCCAA
 ATGGATAATGAAGCCTCTGGGAGGCCCTACCATAGGATCTGTTGCCATGCTCAAATGAG
 TTAGTGAATAAGGTGCTTCTGCTTCTTAGAGATGGTGTAAAGAAAGGACTAGCATAT
 GAGACTTCTGGTACCAATGGGGCTGGTGGGCATGCTGTCCACTGTGTGGTGTAGGACTG
 CCAATGCCAGGCCAAGGGACAAAAGAACAGAGCTTTTTGTTCTCATGGCTGGCCCTGC
 TACCTCCGAGGCACCCTGCAGGGCAATGCATGTATCCCAACCCCACTCCCCATCCT
 CCAACCCACTGGTCTCATGCCAAAGAAGATTGAAGGCATGGGAGCCAACATTTTATTG
 AAGAAGCCACAGAGGCTGAAATTCAATAAACACAAGTTTTATGAGTAAAAAAAAAAAAA
 AAAAA

Restriction Sites: Please inquire

ACCN: NM_006672

Insert Size: 2500 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_006672.2.
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_006672.2 , NP_006663.2
RefSeq Size:	2547 bp
RefSeq ORF:	1641 bp
Locus ID:	10864
UniProt ID:	Q9Y694
Cytogenetics:	6p21.1
Domains:	sugar_tr
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>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 appears to be localized to the basolateral membrane of the kidney. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (a).</p>