

Product datasheet for **SC108270**

SLC22A7 (NM_153320) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A7 (NM_153320) 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 ORF sequence for NM_153320 edited
 ATGGGCTTTGAGGAGCTGCTGGAGCAGGTGGGCGGCTTTGGGCCCTTCCAAGTGCAGGAA
 GTGGCACTGCTGGCCCTGCCCGAGTGCTACCAGTGCCTTCTCCTGCCCATCTTC
 CTGGCTGCCGTGCTGCCACCGATGTGCCCTGCCGGTGCCCTGCCAACTTCAGCCAT
 CAGGATGTGTGGCTGGAGGCCATCTTCCCGGGAGCCTGATGGCAGCTCAGCTCCTGC
 CTCCGCTTTGCCTATCCCAGGCTCTCCCAACACCACGTTGGGGGAAGAAAGGCAGAGC
 CGTGGGGAGCTGGAGGATGAACCTGCCACAGTGCCTGCTCTCAGGGCTGGGAGTACGAC
 CACTCAGAATTCTCCTCTACCATTGCAACTGAGTCCCAGTGGGATCTGGTGTGTGAGCAG
 AAAGGTCTGAACAGAGCTGCGTCCACTTTCTTCTCGCCGGTGTGCTGGTGGGGGCTGTG
 GCCTTTGGATATCTGTCCGACAGGTTTGGGCGGCGGCTGTGCTGCTGGTACCTACGTG
 AGTACCCTGGTGTGGGCTGGCATCTGCAGCCTCCGTGAGTATGTAATGTTTGCATC
 ACCCGCACCTTACTGGCTCAGCCCTGGCTGGTTTTACCATCATCGTGATGCCACTGGAG
 CTGGAGTGGCTGGATGTGGAGACCCGACCGTGGCTGGAGTCTGAGCAGCACCTTCTGG
 ACAGGGGGCGTGATGCTGCTGGCACTGGTTGGTACCTGATACGGGACTGGCGATGGCTT
 CTGCTAGCTGTACCCCTGCCTTGTGCCAGGCATCCTCAGCCTCTGGTGGTGCCTGAG
 TCTGCACGCTGGCTTCTGACCAAGGCCATGTGAAAGAGGCCACAGGACTTGTGCCAC
 TGTGCCAGGCTCAATGGGCGGCCAGTGTGTGAGGACAGCTTCAGCCAGGAGGCTGTGAGC
 AAAGTGGCCGCCGGGAACGGGTGGTCCGAAGACCTTCATACCTAGACCTGTTCCGCACA
 CCACGGCTCCGACACATCTCACTGTGCTGCGTGGTGGTGTGGTTCGGAGTGAAGTCTCC
 TATTACGGCTGAGTCTGGATGTGTGCGGGCTGGGGCTGAACGTGTAACAGACACAGCTG
 TTGTTTCGGGGCTGTGGAAGTGCCTCCAAGCTGCTGGTCTACTTGTGGTGGCTACGCA
 GGAGCGCCCTCACGCAAGCCGGGACACTGCTGGGACGGCCCTGGCGTTCGGCACTAGA
 CTGCTAGTGTCTCCGATATGAAGTCTGGAGCACTGTCTGGCAGTGTGGGAAAGCT
 TTTTCTGAAGCTGCCTTACCAGTGCCTACCTGTTCACTTCAGAGTTGTACCCTACGGTG
 CTCAGACAGACAGGATGGGGCTGACTGCACTGGTGGGCGGCTGGGGGGCTCTTTGGCC
 CCACTGGCGGCTTGTGGATGGAGTGTGGCTGTCACTGCCAAGCTTACTTATGGGGGG
 ATCGCCCTGTGGCTGCCGGCACCGCCCTCCTGCTGCCAGAGACGAGGCAGGCACAGCTG
 CCAGAGACCATCCAGGACGTGGAGAGAAAGAGTGCCTCAACAGTCTTCAGGAGGAAGAG
 ATGCCCATGAAGCAGGTCCAGAATAA

Restriction Sites: NotI-NotI

ACCN: NM_153320

Insert Size: 2700 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: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_153320.2.

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:

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_153320.1](#), [NP_696961.1](#)

RefSeq Size: 2845 bp

RefSeq ORF: 2559 bp

Locus ID: 10864

UniProt ID: [Q9Y694](#)

Cytogenetics: 6p21.1

Domains: sugar_tr

Protein Families: Druggable Genome, Transmembrane

Gene Summary: 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]

Transcript Variant: This variant (2) contains an alternate segment in the 5' coding region compared to variant 1. The encoded isoform (b) is longer compared to isoform a.