

Product datasheet for **RN201998**

Slc22a7 (NM_053537) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc22a7 (NM_053537) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc22a7
Synonyms:	Oat2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN201998 representing NM_053537
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGCTTCGAAGACCTGCTGGACAAGGTGGGCGCTTTGGGCCCTTCCAACCTCGGAATCTGGTTCTGA
 TGGCCCTGCCCGAATGCTGCTCCCATGCACTTTCTCCTGCCCGTCTTCATGGCCGCTGTGCCTGCCCA
 CCATTGTGCCCTGCCCGGTGCCCTGCCAACCTCAGTCACCAGGACTTATGGCTGGAAGCCCATCTACCC
 CGGGAGACTGACGGCAGCTTTAGCTCCTGCCTCCGATTTGCCTATCCCCAGACTGTCCCAATGTCACTT
 TGGGGACAGAGGTGTCCAACCTGAGGGAGCCTGAGGGTGAAGCCCTCACGGTGCCTGCTCTCAGGGCTG
 GGAGTACGACCGCTCAGAATTCTCCTCCACCATTGCAACTGAGTGGGATCTTGTGTGTGCAGCAGAGAGGA
 CTGAACAAAATTACGTCCACCTGCTTCTCATTGGTGTGCTGGTGGAGCCGTGGTGTATGGATACTTGT
 CTGACAGGTTTGGCAGGGCGCCGGCTTCTGCTGGTGGCCTACGTGAGCTCCCTGGTCTGGTCTGATGTC
 TGCAGCCTCCATCAACTACATCATGTTCTGTAGTACCCGTACACTCACCGGCTCAGCCCTGGCTGGCTTC
 ACCATCATTGTGCTCCCACTGGAGTTGGAGTGGCTGGATGTGGAGCACCGCACTGTGGCCGGGGTCAACA
 GCACCGTCTTCTGGTCCGGAGGCGTGTGCTGCTGGCACTGGTGGGCTACCTGATCCGGAGCTGGCGCTG
 GCTTCTGCTGGCTGCCACCCTGCCGTGTGTCCCAGGCATCATCAGCATCTGGTGGGTTCTGAGTCTGCA
 CGGTGGCTTCTAACCCAGGGTGTGTGGAGGAGGCAAAAAATACTTGTGAGCTGTGCCAAGCTCAATG
 GCGGCCCGTGGGTGAGGGCAGCCTGAGCCAGGAGGCCCTGAACAACGTGGTCCCATGGAAGGGCGTT
 GCAAAGACCCTCATACTTAGACCTGTTCCGAACATCTCAGCTCCGACATATCTACTGTGCTGCATGATG
 GTGTGGTTTGGAGTGAACTTTTCTACTACGGCCTGACTCTGGACGTGTCTGGGCTGGGGCTGAACGTGT
 ACCAGACACAGCTGCTGTTTGGGGCTGTGGAGCTCCCTCCAAAATTATGGTCTACTTCTTGTGCGCCG
 TCTGGGACGCGCTCACGGAGGCTGGGATGCTGCTGGGCGCTGCTCTGACCTTTGGCACCAGCCTGCTG
 GTATCCTTGGAGACTAAGTCATGGATCACTGCTCTGGTGGTGGTGGGAAAGCTTTTTCTGAAGCTGCTT
 TTAACGGCCTACCTGTTACGTCACGTCGAGTTGTACCCTACTGTGCTCAGACAGACAGGATTGGGACTTAC
 TGCATCATGGGCAGGCTAGGGCCTCTCTGGCCCACTGGCGCCTTGTGGATGGAGTGTGGCTGTTG
 CTGCCAAAGTTGCTTACGGGGGATTGCCCTGGTGGCTGCCTGCACTGCACTCCTGCTGCCTGAGACGA
 AGAAGGCACAGCTGCCAGAGACCATCCAGGATGTGGAGAGGAAGAGTACCCAGGAGGAAGATGTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3052_d01.zip

Restriction Sites: SgfI-MluI

ACCN: NM_053537

Insert Size: 1608 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>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).</p>
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_053537.2</u> , <u>NP_445989.2</u>
RefSeq Size:	1636 bp
RefSeq ORF:	1608 bp
Locus ID:	89776
UniProt ID:	<u>Q5RLM2</u>
Cytogenetics:	9q12
Gene Summary:	may act as an organic ion transporter during liver development [RGD, Feb 2006]