

Product datasheet for **MC200982**

Slc22a4 (NM_019687) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc22a4 (NM_019687) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc22a4
Synonyms:	Octn1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC010590 sequence for NM_019687
 CCACGGCGTGTGGCACGCGAGCCACCTAGGAAGATCCCCTCAGCGCGCCGAATCGCTGAATCCTTTCTC
 TCCACCCACCTCCCTCACGCAAGCTGAGGAGGAGAGGTGGAAACATGCGGGACTACGACGAGGTGATCGC
 CTTCTGGGCGAGTGGGGGCCCTTCCAGCGCCTCATCTTCTTTCTGCTCAGCGCCAGCATCATCCCCAAT
 GGCTTCAATGGTATGTCAGTCGTGTTCCCTGGCGGGGACCCCGAGCACCGTTGCCTGGTTCTTGACACTG
 TGAACCTGAGCAGCTCCTGGCGCAACCACAGCATCCCCCTGGAGACGAAGGACGGACGACAGGTGCCTCA
 GAGCTGCCGCGCTACCGACTGGCCACCATCGCCAACCTCTCTGCGATGGGGCTGGAGCCAGGACAGGAC
 GTGGATCTGGAGCAGCTGGAGCAGGAGAGCTGCCTGGATGGCTGGGAGTACGACAAGGACATCTTCTGT
 CCACCATCGTGACAGAGTGAATCTGGTGTGTGAGGATGACTGGAAGACCCCTCACCACCTCCCTGTT
 CTTCTGAGGCGTTCTCTGCGGCTCCTTCGTGTCTGGGAGCTGTGACAGGTTTGGCAGGAAGAAAGTC
 CTCTTTGCAACCATGGCTGTGACAGACTGGATTCAGCTTCGTGACAGATTTTCTCAACCACTGGGAGATGT
 TCACTGTGTTGTTGCCATTGTGGGCATGGCCAGATCTCCAACACGTGGTGGCCTTCACTAGGAAC
 TGAATCTGAGCAAGTCGGTTCGCATCATCTTCTCCACATTAGGAGTCTGTACATTTTTGCAATCGGC
 TACATGGTCTGCCGCTGTTGCATACTCATCAGAGACTGGAGGATGCTGCTGCTGGCCCTGACACTGC
 CTGGCCTGTTCTGTGTTCCCTGTGGTGGTTTATTCCAGAATCTCCCGTGGCTGATATCCAGAGGAG
 ATTTGCAGAGGCCGAACAGATCATCCAGAAAGCCGAAAGATGAACAGCATCGTGGCGCCAGCAGGGATA
 TTCGATCCTCTAGAGCTACAGGAGCTAAACTCCTTGAAGCAGCAGAAAGTCATAATCCTGGACCTGTTCA
 GGACTCGGAACATTGCCACCATAACCGTGATGGCTGTGATGCTGTGGATGCTAACCTCAGTGGGTTACTT
 TGCTCTGTCTCTCAATGTTCCATAATTTACATGGAGATGTCTACCTGAACTGCTTCTCTCTGGCCTGATT
 GAAGTTCAGCTTACTTCACAGCCTGGCTGCTACTGCGAACCTGCCACGGAGATATATTATAGCTGGGG
 TGCTATTCTGGGAGGAGGTGTGCTTCTTGTATCCAAGTGGTACCTGAAGATTAACTTTGTGTCCAT
 TGGACTGGTGATGCTGGGAAATTTGGGATCACCTCTGCCTTCCATGTTGTATGTCTTCACTGCGGAG
 CTCTACCCAACCCTGGTCAGGAACATGGCTGTGGGCATCACCTCCATGGCCTCTCGGGTGGGCAGCATCA
 TTGCCCCCTATTTTCGTTTACCTGGGCGCCTATAACAGACTCCTACCCTACATCCTCATGGGCACTGAC
 TGTCTCATTGGAATCATCACGCTTTTTTCCCTGAAAGTTTTGGAGTACTCTACCAGAGAAGTTGGAG
 CAGATGCGAAGTGAGAGGGTTCAGATGTGGGAAAAATCAACAGTCTCAGTGGACAGAGAAGAAAGCC
 CCAAGGTTCTAATAAAGTGCATTCTAACGAGGTTTCCAAGGCACTTGGCAAACTGAAAAGCAGATGTATAC
 AATGAGCAGGGTGTGATAGAGCAAGCCTGCAATCCCAGCGCTCTTGGGGTGGAGACAGAAGATCAGGAGT
 TCAAGGTCATCCTGGCTACAGCAGGAGTGAAGACCAGCCTGTCTTACCACAAGCAACCCTGTCTCAAC
 AGAACAATCAAAAGCCTTTTCTGCTGAAAGGGATTAACAGAAACAATGAGCACCAAACTGGACTGTGG
 AGAAATGCACACTATCTCATGAATCTGGGCCACTCTTCCAGATGGCCTGTTTTTCAAGAACAACATTT
 CTAATAGTCTTGACTACTAACTATTCAATGAAATGATTTGTAAGATTTTTTTTTTTTTTTTTTTTGGAA
 AAATGTGTAGTCAAGGACTGGCAAAATCCATATGAAGATTAACACACATTTCTAAACGTATAAATGCTA
 TCCAAATAAAATATCCTAACTAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_019687

Insert Size: 1662 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).

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:	BC010590 , AAH10590
RefSeq Size:	2277 bp
RefSeq ORF:	1662 bp
Locus ID:	30805
UniProt ID:	Q9Z306
Cytogenetics:	11 32.07 cM
Gene Summary:	<p>Sodium-ion dependent, low affinity carnitine transporter. Probably transports one sodium ion with one molecule of carnitine. Also transports organic cations such as tetraethylammonium (TEA) without the involvement of sodium. Relative uptake activity ratio of carnitine to TEA is 1.78.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>