

Product datasheet for **MC202917**

Slc22a8 (NM_031194) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc22a8 (NM_031194) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc22a8
Synonyms:	Oat3; Roct
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC014762 sequence for NM_031194
 CTACTACAGCAGCTGCTGGACCCTAGGACAGAGCACGGGCAACTGCTGCATCCAGCTCCAGCCCAACTGA
 ATCCAGCTCCAACCACCAAGTTTGGTTTCATCTTGCCTGGTGCCATGACCTTCTCCGAGATTCTGGACCGT
 GTTGAAGCATGGGCCCCCTCCAGTACCTGCATGTGACCTTGGTGGCCCTCCCAATCCTCGGAATAGCCA
 ACCACAATTGCTACAGATCTTACAGCCACCACCCTGACCACCACTGTGCCCCCCCCAACGCCTC
 CTAAGAGCCCTGGTACTCCCCCTGGGCCAAACGGGAAGCCTGAGAAGTGTCTCCGCTTCGTGCATCTG
 CCAAACGCCAGTCTTCCCAATGACACCCAGGGGCCACCAGCCATGCTTGGATGGCTGGATCTACAACA
 GCACCAGAGACACCATTGTGACAGAGTGGGACTTGGTATGCGGCTCCAACAACTGAAGGAGATGGCACA
 GTCAGTCTTCATGGCAGGTATACTGGTTGGAGGACCTGTGTTTGGAGAAGTGTGACAGAGGTTTGGCCGC
 AAGCCCATCCTGACCTGGAGCTATCTTGTGCTGGCAGCCAGTGGCTCCAGTGTGCTTCCAGCCCCAGCC
 TCACTGTCTATATGATCTTCCGATTCTGTGTGGCTGCAGCATCTCGGGCATTCTCTGAGCACCATTAT
 CTTGAATGTGGAATGGGTACCCACCTCCACGCGGGCCATCTCATCAACAATTATGGGTACTGCTACACC
 ATTTGGTCAATTCATTCTGCCTGGCTGGCTATGCCGTTCTCAGTGGCGCTGGCTACAGTTGTCCGTGT
 CTGCTGCCTTCTCATCTTCTCCTTGTGTCTGGTGGTACCAGAGTCCATACGCTGGCTGGTTCTGTGTC
 TGGAAAATCTCAAAGGCTCTGAAGACTCCAACGTGTGGCTACCTTCAACGGCAAGAAGGAGGAAAGGG
 GAAAAGCTCACTGTGGAGGAGCTGAAGTCAACTTGCAGAAGGACATCACCTCAGCCAAGTCAAATATG
 GCTTATCTGACTTGTCCGAGTGTCCATCCTGCGCCGTGTGACCTTCTGTCTCTCTGCGCTGGTTTGC
 TACTGGCTTTGCCTACTACAGTTTGGCTATGGGAGTAGAAGAATTTGGAGTCAACATCTACATACTCCAG
 ATCATCTTCGGTGGGTTGACATTCGCCCAAGTTCATCAACAATCCTCTCCATAAGTTATCTGGGCCGGC
 GCATCACTCAGGGCTTCTCCTGATCCTGGCAGGAGTGGCCATCCTGGCCCTCATCTTTGTGTCTCAGA
 AATGCAGCTCTTGAGAACAGCACTGGCTGTATTTGGGAAGGGATGCCGTCTGGCTCCTTCAGCTGCCTC
 TTCTCTACACAAGTGAAGTCTACCCTACAGTCTCAGGCAAACAGGTATGGGTATCAGTAAACATATGGG
 CTCGAGTGGGAAGTATGATAGCCCCACTGGTGAATAACAGGGGAGAACTGCAGCCCTTCACTCCATATG
 CATCTTTGGGACCATGACTCTACTGGGAGGAGTGTGCTGCTTCTTCTGCTTGGAGACCTCAATCGGCC
 TTACCAGAAACTATCGAGGACATACAAGACTGGTACCAGCAAACCAAGAAAACAAAGCAGGAGCCAGAAG
 CAGAAAAGGCATCCCAGACAATCCCGCTGAAGACTGGTGGACCCTAGCTAAGAACAACAGAAATCCTCTTT
 CCTGCCTTCCAGAGACTGATCCCAAGCAGGGCCCTTCCAAGGCTATTCGAGCACCTTAGGGGTTGGGTGG
 AGCCCCAGCTGGCTCCATGCTCTCAGAACAAGACTTCTGAGAGTTCAGCAAAAGTGTTTTACCTTACC
 ACCTCCACCGTAGCCACAACCCAGACCTGGCCTGTTACAGCCCTAGCCATACTCACTCCTGCCTCAT
 CCTCCCTGCAACCCAGGCCCTGCCATTTTCTCTACCCTCTTTGTATTGGCCATTTCTCCATTGTCCCA
 CCTCCATTTCCCTTTGAGATTCCCTGGCAGTTCTAATGGTTTCTTACCTTCCCCAACTCTCTCCTT
 GGTGGGAAATTTCAATAAACCAATGAAGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_031194

Insert Size: 1614 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:

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: [BC014762](#), [AAH14762](#)

RefSeq Size: 2145 bp

RefSeq ORF: 1614 bp

Locus ID: 19879

UniProt ID: [O88909](#)

Cytogenetics: 19 A

Gene Summary: Plays an important role in the excretion/detoxification of endogenous and exogenous organic anions, especially from the brain and kidney. Mediates the uptake of p-amino-hippurate (PAH) and estron sulfate (ES). Also mediates uptake of several organic compounds such as prostaglandin E(2), prostaglandin F(2-alpha), allopurinol, 6-mercaptopurine (6-MP), 5-fluorouracil (5-FU), and L-carnitine.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.