

## Product datasheet for **MC218782**

### Slc22a19 (NM\_144785) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc22a19 (NM_144785) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc22a19
Synonyms:	D630043A20Rik; OAT-5; Oat5; Slc22a9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC218782 representing NM\_144785  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCTTTCAGGACCTTATAATTCAAATGGCAGCTTGGGGAGTTCCAGATTCTTCATGATATTTG  
 TGTTAATCTGCCATGCCCTGTCGGCTCCTCACACTCTTTGGAGAACTTCACTGCAGCCATTCTAGTCA  
 TCGCTGCTGGGTCCCATCCTTGACAATGACACTGCCTCTGATAATGGCAGTAGGATCCTGAGCCAAGAT  
 GACCTCCTGAGGATCTCCATCCCCTGGACTCCAACTGAGACCGGATAAATGCCGTCGCTATATTCAAC  
 CACAGTGGCATCTCCTTCATCTGAATGGCACCTTCCCCTGTAACAGAGCCAGACACAGAGCCCTGTGT  
 GGATGGCTGGGTGTATGACCAAAGCACCTTCTCTCCACCACAGTGACCCAGTGGGACCTGGTGTGTGGA  
 TCTCAGGCACTGAATTCAGTGGCTAAATTTATATACATGACTGGTATCTTTATAGGATATATCATGGGTG  
 GCCACTTATCAGACAAGTTGGGAGGAAGCTATTTTCACGTGCTCTTTACTGAAATGGCCATCACTGA  
 AACTTGTGTAGCTTTTGCTCCCTCCTTCTCATCTACTGCTCACTTCGATTCTGTCAGGGATTTTTTCC  
 TCAACCCTGAGGACAAACAGTGCTTTGCTCATATTAGAATGGACAAGTCCTAAGTTTCAAGCTCTGGTAA  
 TGGCACTGATATTTATTGCCTCAGGAGTTGGACAGACACTGTTGGGAGGCTGGCTTTTGCCTTTTCGAAA  
 CTGGCACCATCTCCAGCTGGCTCTTTCTGTTCCAATGTTCTTACTCCTTATCCACAAGGTGGTTGTCA  
 GAGTCAGCTCGATGGCTGATTATGGCCAACAAACCCAGAAGAGCTTAAAGGAACCTAAAAAGCTGCAT  
 GCGTAAATAGAATAAAGAATTCTGGAGATGCCCTAACCTTGGAGGTTGTGAAAATATCATGAAGGAGGA  
 GTTGGAGGCAGCACAGACAAAACCTCCCCTGGACTTGTTCGTACACCTAACCTTCGCAAGCGGATC  
 TGCTCCTATCCTTTGTGAGATTTGTGTCAGTGTCTCTATGGTGTGGTGTGCATCCCAGCCAATGTTCTTGAA  
 TAAGCAATAATGTGTTCCCTACTGCAGTGTCTCTATGGTGTGGTGTGCATCCCAGCCAATGTTCTTGAA  
 TTTTCAATGAACACTACATGGGCCGAGAATGACGCAACTGATTTTCATGTCTGTGTTGGGAATCTCCATT  
 CTGGCTGTTGATTTTTGCCTCAAGAAATGCAGATCCTGCGTGTATTTTTGTCAACATTAGGAGGAGCAA  
 TTTCTTCTGCCTCTATAACGAGTACTCTGTACATGCAAATGAGCTAGTCCCACCATAATCAGGGCAAC  
 TGCTTTAGGAGTCGTTGGAATTGCTGGCAGTGTGGAGGAGCGTGTCTCCTCTACTTATGATCCTCACG  
 ACATACTGCTTCTTGCCTGGATCATCTATGGGATTCTTCCCTTCTTGGTGGCCTCGTTGCCCTTC  
 TTCTTCTGAGACCAAGAATCAGCCTCTGCCTGACTCAATCCAAGATATAGAAAAAAGAGGAAAAGCTC  
 AAAAGAGGCAAAGAAAGATGTGGTTGCCAAAGTGACACCATTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_144785

**Insert Size:** 1656 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:** [NM\\_144785.2](#), [NP\\_659034.1](#)

**RefSeq Size:** 1984 bp

**RefSeq ORF:** 1656 bp

**Locus ID:** 207151

**UniProt ID:** [Q8VCA0](#)

**Cytogenetics:** 19 A

**Gene Summary:** Sodium-independent organic anion transporter which shows high specificity for estrone sulfate, dehydroepiandrosterone sulfate, and the mycotoxin ochratoxin A (OTA) (PubMed:15068970, PubMed:16150593). Transport of OTA is strongly inhibited by estrone sulfate and probenecid, and to a lesser extent by 2,4-dichlorophenoxyacetic acid (2,4-D) and salicylate (PubMed:15068970). Transport of estrone sulfate is inhibited by various steroid sulfate conjugates including dehydroepiandrosterone sulfate, alpha-naphthyl sulfate, beta-estradiol sulfate, 4-methylumbelliferyl sulfate and p-nitrophenyl sulfate (but not minoxidil sulfate) (PubMed:16150593).[UniProtKB/Swiss-Prot Function]