

## Product datasheet for **MC202999**

### Slc22a22 (NM\_172378) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc22a22 (NM_172378) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc22a22
Synonyms:	oat-pg
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC026439  
 CTTTTGGTAAAGAGACATAGCTATTCTCTATGTGTGATTTGGCTGTGTGCAACAGAAGTCTATATAGCA  
 TTTGCAAGAATAGCCATGGATTTTGGATGAAATTCTACATCATGTAGGTGACAGTGGAAAGATTTTACAGATT  
 GTATGATCATCCTTCTCAACATTTTATCCTTGGTGTATCCCCTCATGATGTCCTGGAGAATTTTACAGC  
 AGCCATCCCTGCTCATCACTGTAGTATAAACCTTGACAATTCAAGATCTGAAGTTAGTACTGACATGAAC  
 TTAATACTGAAGATTTGATGAAGTCTCCATCCCAATGGGCCAAATCAGAAACCCGAGCAATGCCGAC  
 GCTTTAGGTACACCCAATGGCAATTTTATAGATTCCAACATCAACTTTTAAACAGCACTGAGCTAGAGAC  
 TGAGCCGTGTCTAGATGGATGGACATATGACCACAGTGTTTTACTTCTACCATTGTCAGTGGGAT  
 TTAGTATGTGATTTTTCAGTCATTCAAATACTATGCACAAGCCACGCTTTTGGCAGGACATTTGGTATCTT  
 GTCCTCTATCTGGCATTATTTCTGACAGGTTTGGAAAGGAAGCCATTGTTGATGATTGTTCCCTAGCCTA  
 TGGGGCTGTGGGAACCTACTGTGCCTTTGCCCAATTTCTCCGTTTACTGTGTTTTGAGATTCCTGTTA  
 TCTGCCTTCCAAAGTACTATTTTATCAACTCTTATCCTTGTGTTTGGAAAGAAGCATCAGTCCAGTGGC  
 ACCCCACAATCATAGTACTCAGTGGACTGTTCAACAGTATTGGCCAGGGTGTACTGGGGGACTAGCCTA  
 TGTGATTTGCGATTGGCACTTACTTCAACTGCATATGCCTTGCCTTCTTCATCTTTTTGTTTTGTTT  
 TGCTGGGTGCCAGAATCAGTCCGGTGGCTATAATCACTGGCAAACAGATCAAGCATGGAAGGAACTCC  
 AGAGAATTGCCTCCATCAATGGGAAGAAAGGCATTGCACAAAATCTAACTACTGAGGACTTGCGATCCAA  
 ACTTAAGAAAGATGTGAATTCAACTGGAAAGCTTTTTCAGAATAAAGGACATCTTTATTAATCCCTTGATA  
 CGTAAATAGTGTCTTTCGAATTCAGTTTACTTTTTGCAGAACTTTTTCAGCTTTGTTGGCCTCTTGTGG  
 ATGTTCAACTGTTGGGAAAGAACATGTTCTTGACCCAGATTTTCTAGGAGCGATAGACGTGCCAGTAA  
 ATCACTCACATATTTTACAATAAGAAATGTAAGCCGTCGCTTTAATTGCTTTTTTGTACTTACAAC  
 GGAAGTTGATTACCATCACCATATTCATCTCTGAAGAGATGTATGCTGCGTACTATTATTTTCATTT  
 TGGGAAAAGGATGTTTTGCAGCTTTCACCTGTATAAGCACAACCTACATCAATGAACTCTCACCAGTAGA  
 ACTCAGGTCAACTCTAAATGGTGTTTTTTAGCTGTTGTTGATTGGCAGGGGCTCCTGTCACTAACA  
 CTTGCTACTAGAAAGTATTTTGTATATCTTCCCATGATACTCTATGGAGTCTACCATCGTGGCAACAA  
 TCAGCATCCTCTTCTGCCAGAGACCTTTAACCTTCCACATACTGACATTATCAAGGATATGGAGAAAAG  
 GAAAAGATTGATGAGCAAAAACATCAGTAAAAAAGAGGGCAAGACTTCTTGAAAACCTACCGAGTGTAA  
 AGAGAGTCAAGATCCACAGGGTCCATCCATATAAAGACTCTTTATTCTGTCTGTACCCTAGAGACTTT  
 ACCCATGATCAGCAGTTACGGATATTTTAAATGAAGCTACTGCAAAAAGTAAATCTTTAGCCAAAT  
 CCGTTATATAGATGCAAGTCTAAGGTTTTTATCAAATACTGGAGTACAATCCCTTTTCATAAAAAATGT  
 GAGAATAAATCTGTGCAACAACAACAACAAAAATAAACAAAAAGAAAAACCACAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_172378

**Insert Size:** 1665 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: [BC026439](#), [AAH26439](#)

RefSeq Size: 2029 bp

RefSeq ORF: 1665 bp

Locus ID: 210463

UniProt ID: [Q8R0S9](#)

Cytogenetics: 15 D1

**Gene Summary:** Sodium-independent organic anion transporter which exhibits high specificity for a subset of prostaglandins including prostaglandin E2 (PGE2), prostaglandin E1 (PGE1), prostaglandin F2-alpha (PGF2-alpha) and prostaglandin D2 (PGD2).[UniProtKB/Swiss-Prot Function]