

Product datasheet for **MC200825**

Slc22a6 (NM_008766) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc22a6 (NM_008766) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc22a6
Synonyms:	mOat1; NKT; Oat1; Orctl1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021647 sequence for NM_008766
 CCACGCGTCCGAGCTGAGCTGTCCAGACCCCGAAGTGAAGAAAAGAGGCGAGGGCAAGGGAGGGCCAGA
 ACCAGGGGAGAGAGAAAGGAGGGGCAGCCACCAGCCCGCTGTCTCGCCACAGAACCGGCTCAGTCCAA
 CTCCAGGAGTCACTCAGCTGCAGAGGCAGTGGCAGCCCTACTCCTCAGGCAAAGGGCAGCAGACAGACAG
 ACAGAGGTCTAGGACTGGAGGTCTCAGTCATTGACCACTCAGCCTGGCCAGCCCATGGCCTTCAAT
 GACCTCCTGAAACAGGTGGGGGTGTGGACGCTTCCAGCTGATCCAGGTCACCATGGTGGTTGCTCCCC
 TACTGCTGATGGCTTCCACAACACCCTGCAGAACTTCACTGCTGCTATCCCCGCTCACCCTGCCGCC
 ACCTGCTAATGCCAACCTCAGCAAAGATGGAGGCTGGAGGCCTGGCTGCCCTGGACAAGCAAGGACGA
 CCCGAATCTTGCCTCCGCTTTCCTTCCCGCACAAATGGCACAGAGGCCAATGGCACCGGAGTCACAGAGC
 CCTGCCTTGATGGCTGGGTCTATGACAACAGCACCTTCCCTTCAACCATCGTGACTGAGTGGAACTTGT
 GTGCTCTCATCGGCCTTCCGCCAGCTGGCCAGTCCCTGTTTATGGTGGGAGTGTACTGGGAGCCATG
 ATGTTTGGCTACCTGGCGACAGGCTGGGCCGTGGAAAGGTGCTGATCTTGAACCTGCAACAGCTG
 TGTCGGGAACCTGTGCAGCCTATGCACCAACTATACTGTCTACTGCATTTTCCGGCTCCTCTCGGGCAT
 GTCTTTGGCTAGCATTGCAATCAACTGCATGACACTAAACATGGAGTGGATGCCTATTACACCCGTGCC
 TATGTGGGCACCTTGATTGGCTATGTCTACAGCTTGGGCCAGTTCCTCCTGGCTGGTATCGCCTATGCTG
 TGCCCCACTGGCCACCTGCAGCTTGGGTCTCTGTGCCTTTTTTCGTTGCCTTCACTCTTGGTT
 CTTCAATTGAGTCAGCCCGCTGGTACTCCTCCTCTGGAAGGCTGGACCTCACCTCCGAGCCCTGCAGAGA
 GTGGCCCGCATCAACGGGAAACAAGAAGAGGGGGCTAAGCTGAGTATAGAGGTGCTCCAGACCAGCTGC
 AGAAGGAACTGACTCTAAACAAAGGCCAGGCTCCGCCATGGAGCTGCTGCGCTGCCACGCTTCCGGC
 CCTCTTCTCTGCCTCTCTATGCTGTGGTTTGGCACTAGCTTTGCCTACTACGGGCTGGTGCATGGACCTG
 CAGGGCTTTGGGGTCAGCATGTACCTTATCCAGGTGATTTTCCGGCCTGTGGACCTGCCTGCCAAGTTT
 TGTGCTTCTAGTCATCAATCCATGGCCCGCCGGCTGCACAGTTGGCCTCCCTGCTGCTGGCAGGCAT
 CTGTATCCTAGTGAATGGCATAATACCGAGGGCCATAACAATCATTGACACATCCCTGGTACTAGGG
 AAAGGCTGTCTGGCTTCCCTTTCAACTGCATCTTCTGTACACCGGAGAGCTGTACCCCAATGATTC
 GGCAGACGGCCCTGGGCATGGGACAGCACCATGGCCCGGTGGGCAGCATAGTGAGCCCACTGATAAGCAT
 GACTGCCGAGTTTACCCTCCATACCTCTCTTCACTCTTCCGGCGCTGTCCCGTGGCCGCCAGCGTGT
 ACTGCCCTGTGCCAGAGACCTTGGCCAGCCGCTGCCTGATACAGTGCAGGACCTGAAGAGCAGGAGCA
 GAGGAAAGCAGAAGCAACAGCAGCTGGAACAGCAGAAGCAGATGATACCACTCCAGGTCTCAACACAAGA
 GAAGAACGGACTCTGAAATGGAGAGGGCGTCACACAGCACTAAAGGGAGTGGGGTTCTGCAGGTCCAC
 CATCTATGAGGAGGGGAGTGGTGGAGGACTGGCCATCTAAATGCGGAGCCTGCCATTAGAGAAAT
 GCCTCCCCAAAGTCACTTCAATAGACCTACTAGGAACAAAAGCTCTAACTGTGTGCAGCTTCTTAAGCA
 GAATGAGCTTCTCAGCCATCTTCCAGCTCAGTGGTCACTCCTCCAGCTCCTGTCCCTCCACCTCCA
 GGACATTGCAAAGATCCAGACAATTAATAAATTTCTTCTACCTTGAAAAAAAAAAAAAAAAAAG

Restriction Sites: RsrII-NotI

ACCN: NM_008766

Insert Size: 1638 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: [BC021647](#), [AAH21647](#)

RefSeq Size: 2234 bp

RefSeq ORF: 1638 bp

Locus ID: 18399

UniProt ID: [Q8VC69](#)

Cytogenetics: 19 5.44 cM

Gene Summary: Involved in the renal elimination of endogenous and exogenous organic anions. Functions as organic anion exchanger when the uptake of one molecule of organic anion is coupled with an efflux of one molecule of endogenous dicarboxylic acid (glutarate, ketoglutarate, etc). Mediates the sodium-independent uptake of 2,3-dimercapto-1-propanesulfonic acid (DMPS), cidofovir, adefovir, 9-(2-phosphonylmethoxyethyl) guanine (PMEG), 9-(2-phosphonylmethoxyethyl) diaminopurine (PMEDAP), ochratoxin (OTA), acyclovir (ACV), 3'-azido-3'-deoxythymidine (AZT), cimetidine (CMD), 2,4-dichloro-phenoxyacetate (2,4-D), hippurate (HA), indoleacetate (IA), indoxyl sulfate (IS) and 3-carboxy-4-methyl-5-propyl-2-furanpropionate (CMPF) and edaravone sulfate (By similarity). Mediates the sodium-independent uptake of p-amin hippurate (PAH). PAH uptake is inhibited by benzothiazolylcysteine (BTC), S-chlorotrifluoroethylcysteine (CTFC), cysteine S-conjugates S-dichlorovinylcysteine (DCVC), furosemide, steviol, phorbol 12-myristate 13-acetate (PMA), calcium ionophore A23187, benzylpenicillin, bumetamide, losartan, probenecid, phenol red, urate, glutarate and alpha-ketoglutarate (By similarity). PAH uptake is inhibited by p-chloromercuribenzenesulphonate (PCMBs), diethyl pyrocarbonate (DEPC), indomethacin, sulindac, diclofenac, carprofen, okadaic acid and PKC activators.[UniProtKB/Swiss-Prot Function]