

Product datasheet for **MR208683**

Slc22a6 (NM_008766) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Slc22a6 (NM_008766) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Slc22a6 |
| Synonyms: | mOat1; NKT; Oat1; Orctl1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR208683 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTTCAATGACCTCCTGAAACAGGTGGGGGTGTGCGGACGCTTCCAGCTGATCCAGGTCACCATGG
 TGGTTGCTCCCTACTGCTGATGGCTTCCACAACACCCTGCAGAACTTCACTGCTGCTATCCCCGCTCA
 CCACTGCCGCCACCTGCTAATGCCAACCTCAGCAAAGATGGAGGTCTGGAGGCCTGGCTGCCCTGGAC
 AAGCAAGGACGACCCGAATCTTGCTCCGCTTTCTTTCCCGACAATGGCACAGAGGCCAATGGCACCG
 GAGTCACAGAGCCCTGCCTTGATGGCTGGTCTATGACAAACAGCACCTTCCCTTCAACCATCGTGACTGA
 GTGGAACCTTGTGTGCTCTCATCGGGCCTTCCGCCAGCTGGCCAGTCCCTGTTTCATGGTGGGAGTGTTA
 CTGGGAGCCATGATGTTGGCTACCTGGCGGACAGGCTGGGCCGTCGGAAGGTGCTGATCTTGAACCTACC
 TGCAAACAGCTGTGTCGGAACCTGTGCAGCCTATGCACCAACTATACTGTCTACTGCATTTTCCGGCT
 CCTCTCGGCATGTCTTTGGCTAGCATTGCAATCAACTGCATGACACTAAACATGGAGTGGATGCCTATT
 CACACCCGTGCCTATGTGGGCACCTTGATTGGCTATGTCTACAGCTTGGGCCAGTTCCTCCTGGCTGGTA
 TCGCCTATGCTGTGCCCACTGGCGCCACCTGCAGCTTGGGCTCTGTGCCCTTTTTCTGTTGCCTTCAT
 CTACTCTTGGTTCTTATTGAGTCAGCCCGCTGGTACTCCTCCTCTGGAAGGCTGGACCTCACCTCCGA
 GCCCTGCAGAGAGTGGCCCGCATCAACGGGAAACAAGAAGAGGGGGCTAAGCTGAGTATAGAGGTGCTCC
 AGACCAGCCTGCAGAAGGAACTGACTCTAAACAAGGCCAGGCCCTCCGCCATGGAGCTGCTGCGCTGCC
 CACGCTTCGGCGCCTCTCCTCTGCCTCTATGCTGTGGTTTGGCACTAGCTTTGCCTACTACGGGCTG
 GTCATGGACCTGCAGGGCTTTGGGGTCAAGTACCTTATCCAGGTGATTTTTCGGCGCTGTGGACCTGC
 CTGCCAAGTTTGTGCTTCTAGTCATCAATTCCATGGGCCCGGCCCTGCACAGTTGCCCTCCCTGCT
 GCTGGCAGGCATCTGTATCCTAGTGAATGGCATAATACCGAGGGGCCATAACAATCATTCCGACATCCCTG
 GCTGTAAGGAAAGGCTGTCTGGCTTCTTCAACTGCATCTTCTGTACACCGGAGAGCTGTACC
 CCACAATGATTCGGCAGACGGCCCTGGGCATGGGCAGCACCATGGCCCGGTGGGAGCAGATAGTGGCC
 ACTGATAAGCATGACTGCCGAGTTCTACCCCTCCATACCTCTTTCATCTTCGGCGCTGTCCCGTGGCC
 GCCAGCGTGTCACTGCCCTGCTGCCAGAGACCTTGGGCCAGCCGCTGCCTGATACAGTGCAGGACCTGA
 AGAGCAGGAGCAGAGGAAAGCAGAAGCAACAGCAGCTGGAACAGCAGAAGCAGATGATACCCTCCAGGT
 CTAACACAAGAGAAGAACGGACTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208683 protein sequence
 Red=Cloning site Green=Tags(s)

MAFNDLLKQVGGVGRFQLIQVTMVVAPLLLMAHNTLQNFATAIPAHHRPPANANLSKDGGLAEWLPLD
 KQGRPESCLRFPFPHNGTEANGTVTEPCLDGWVYDNSTFPSTIVTEWNLVCSHRAFRQLAQSLFMVGVL
 LGAMMFGYLADRLGRRKVLILNYLQTAVSGTCAAYAPNYTVYICFRLLSGMSLASIAINCMTLNMEWMPI
 HTRAYVGTLIQVYVSLGQFLLAGIAYAVPHWRHLQLAVSVPFVAFIYSWFFIESARWYSSSRLDLTLR
 ALQRVARINGKQEEGAKLSIEVLQTSLQKELTLNKGQASAMELLRCPTLRRLFLCLSMWFATSFAYYGL
 VMDLQGFVSMYLIQVIFGAVDLPKAFVCFVINSMGRPPAQLASLLLAGICILVNGIIPRGHTIIRTSL
 AVLKGGCLASSFNCFILYTGELYPTMIRQTLGGMGSTMARVGSIVSPLISMTAEFYPSIPLFIFGAVPVA
 ASAVTALLPETLGQPLPDTVQDLKSRSRGKQKQQLQEQKQMIPLQVSTQEKNGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

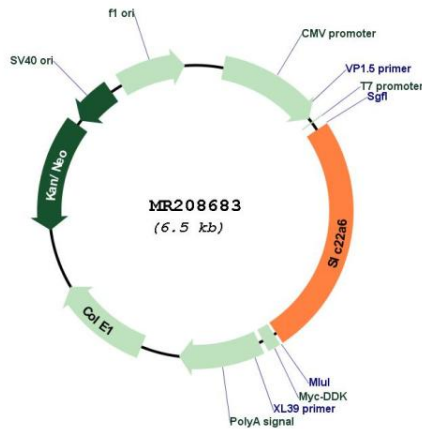
Sgfl-MluI

Cytogenetics: 19 5.44 cM

MW: 60 kDa

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-aminohippurate (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]

Product images:



Circular map for MR208683