

Product datasheet for **MR223949**

Slc22a8 (NM_001164635) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc22a8 (NM_001164635) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc22a8
Synonyms:	Oat3; Roct
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223949 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCTTCTCCGAGATTCTGGACCGTGTGGAAGCATGGGCCCTTCCAGTACCTGCATGTGACCTTGC
 TGGCCCTCCCAATCCTCGGAATAGCCAACCACAACCTTGCTACAGATCTTACAGCCACCACCCTGACCA
 CCACTGTCGCCCCGCCCAACGCCTCTCTAGAGCCCTGGTACTCCCCTTGGGCCCAAACGGAAGCCT
 GAGAAGTGTCTCCGCTTCGTGCATCTGCCAAACGCCAGTCTTCCAATGACACCCAGGGGCCACCAGAGC
 CATGCTTGGATGGCTGGATCTACAACAGCACCAGAGACACCATTGTGACAGAGTGGGACTTGGTATGCGG
 CTCCAACAACTGAAGGAGATGGCACAGTCAGTCTTATGGCAGGTATACTGGTTGGAGGACCTGTGTTT
 GGAGAAGTGTGACAGGTTTGGCCGCAAGCCATCCTGACCTGGAGCTATCTCTGCTGGCAGCCAGT
 GCTCCAGTGTGCTTCCAGCCCAGCCTACTGTCTATATGATCTCCGATTCTGTGTGGCTGCAGCAT
 CTGGGCATTTCTGAGCACCATTATCTGAATGTGGAATGGTACCCACCTCCAGCGGGCCATCTCA
 TCAACAACTATTGGGTACTGCTACACCATTGGTCAATTATTCTGCCTGGCCTGGCCTATGCCGTTCCCTC
 AGTGGCGTGGCTACAGTTGTCCGTGTCTGCTGCCTTCTCATCTTCTCCTTGTGTCTGGTGGGTACC
 AGAGTCCATACGCTGGCTGGTTCTGTCTGGAAAATTCTCAAAGGCTCTGAAGACTCCAACGTGTGGCT
 ACCTTCAACGGCAAGAAGGAGGAAGGGGAAAAGCTCACTGTGGAGGAGCTGAAGTTCAACTTGCAGAAGG
 ACATCACCTCAGCCAAGTCAAATATGGCTTACTGACTTGTCCGAGTGTCCATCTGCGCCGTGTGAC
 CTTCTGTCTCTCTGGCCTGGTTTGTACTGGCTTGGCTACTACAGTTGGCTATGGGAGTAGAAGAA
 TTTGGAGTCAACATCTACATACTCCAGATCATCTCGTGGGGTTGACATTCCCAGTTCATCACAA
 TCCTCTCCATAAGTTATCTGGCCGGCGCATCACTCAGGGCTTCTCCTGATCCTGGCAGGAGTGGCCAT
 CCTGGCCCTCATCTTTGTGCTTCAGAAATGCAGCTCTTGAGAACAGCACTGGCTGTATTTGGGAAGGGA
 TGCTGTCTGGCTCCTTCAGCTGCCTTCTCCTCTACACAAGTGAAGTCTACCCTACAGTCTCAGGCAAA
 CAGGTATGGGTATCAGTAACATATGGGCTCGAGTGGGAAGTATGATAGCCCCACTGGTAAAAATCACGGG
 AGAACTGCAGCCCTTATCCCTAATGTCATCTTTGGGACCATGACTCTACTGGGAGGAGTGTGCCTTC
 TTTCTGCTTGGACCCCTCAATCGGCCCTTACCAGAACTATCGAGGACATACAAGACTGGTACCAGCAAA
 CCAAGAAAACAAAGCAGGAGCCAGAAGCAGAAAAGGCATCCAGACAATCCCGCTGAAGACTGGTGGACC
 C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223949 protein sequence
 Red=Cloning site Green=Tags(s)

MTFSEILDRVGSMGPFQYLHVTLALPILGIANHLLQIFATTPDHHCRPPPNASLEPWWLPLGPNKPK
 EKCLRFVHLPNASLPNDTQGATEPCLDGWIYNSTRDTIVTEWDLVCGSNKLEMAQSVFMAGILVGGPVF
 GELSDRFGRKPILTWSYLLLAASGSSAAFSPSLTVYIMIFRFLCGCSISGISLSTIILNVEWVPTSTRAIS
 STTIGYCYTIQGFILPGLAYAVPQWRWLQLSVSAFFIFSLLSWWVPESIRWLVLGKFSKALKTLQRVA
 TFNGKKEEGEKL TVEELKFNLQKDITSKVKYGLSDLFRVSILRRVTFCLSLAWFATGFAYYSLAMGVEE
 FGVNIYILQIIFGGVDIPAKFITILSISYLRRITQGFLLILAGVAILALIFVSSEMQLLRTALAVFGKG
 CLSGSFSCFLYSEL YPTVLRQTGMGISNIWARVGSMIAPLVKITGELQPFIPNVIFGTMILLGSSAAF
 FLETLNRPLPETIEDIQDWYQTKKTKQEPEAEKASQTIPLKTGGP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

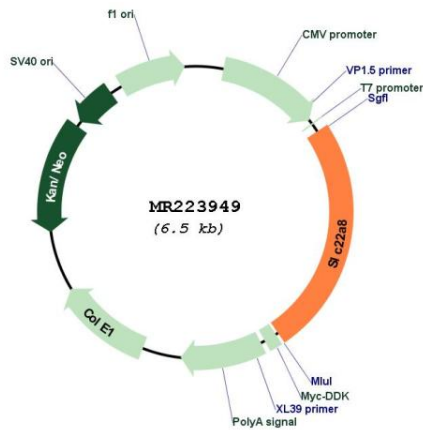
Sgfl-MluI

Cytogenetics: 19 A

MW: 59.2 kDa

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]

Product images:



Circular map for MR223949