

Product datasheet for **MC209124**

Slc22a18 (NM_001042760) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc22a18 (NM_001042760) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc22a18
Synonyms:	AW260131; BWR1A; BWSCR1A; HET; Impt1; ITM; Orctl2; p45-BWR1A; Slc22a1l; TSSC5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC209124 representing NM_001042760 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGCAGCATGGCTGCTCTGCCCGGCAGGGGATCATCACTCACCTATGTGCTGGCAGCCCTGG
AGCTAACGTGTCTTTCATGCAGTTCTCCATCCTACCATATCTGTCTCGGACACTGGCCTAGATTCTGT
CTCCTTTGGCTACCTACAGACAACCTTTGGGGTCTTCAGCTGTTGGGTGGCCTGTGTTGGCAGGTTCC
GCAGACCAGTGGCGGCAAGAGCGGCACCTCACTCTCCTTCTGGCGGCCTCTGCTCTGTACCTGCCTCC
TGGTGGCCTCCTGTAGCCAGCCCTGCCTGGTGTCTTCTGCTCTTCGCCTCACGCATACCCCTGCCCC
CATGCACACACTTCCAGCCGCCAGATGGTCATCACTGATCTGACAGCGCCACAGAGCGGCCCGCAGCA
CTGGGCCGGCTGGCCTCTGCTTTGGCATTGGAATTATCTTCGGCTCCCTACTTGGCGGGACCCTTAACA
CCGCATACGGGATCCAGTGTCTGCCATCCTGGCTTTTGGTGCACCCCTCCTAGGAGCTGTCTCAGCTT
TACCTGTGTCCCTGCTACCACCAAGGAGGCCAGTGTCCAGTCAGCTCCTCAGGTGGAACCAAGGCCAGT
GTATTTGACCTGAAGGCCATCACCCGCTGCTACTGCTGCCTAGAGTGTGCCTGTATTCCTGGTCAAGG
TAATCTCTGGCCTCCCTTCAGGACTCTTCTGGTGTGTTTTCCATCATCTCTATGGACTCTTCCAGG
GGAGGCTGCACAGGCTGGCTACCTCATGTCCTTCTTCGGGATCCTCCAGATGATGATCCAAGGCCCTGGTC
ATTGGGAGGCTGAGCACCCATTTTCCAGAGGAAGCCTTGTGCGATCCAGTGTGCTGGTCTTTGCTGTTG
TGGGACTGGGCATGGCGTGTGCTCCAGTGTGCTCCATTTCTGTTTTCTGATGCCTGGGCTGGTATTGAG
TCTCTGTACTCTCAACGTAGTCACAGACAGCATGCTGACCAAGGCTGTGTCGGCTTCCAGACAGGGACC
ATGCTGGCCTCTCTGCATCTGTGCAACCATTGACCCGAAGCTAGGACCCACCCTAGGTGGCCTGCTGT
ACCGTAGCTATGGTGTCCCATCTTTGGCCATGTGCAGCTCATGGTGAAGTGTGCTGCTATTGGTCTCT
TTGGAAGAAGCCATTGTCCAGAAGGGAGAAAAAGCCCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001042760
Insert Size:	1233 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:	<ol style="list-style-type: none">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:	<u>NM_001042760.1</u> , <u>NP_001036225.1</u>
RefSeq Size:	1560 bp
RefSeq ORF:	1233 bp
Locus ID:	18400
UniProt ID:	<u>Q78KK3</u>
Cytogenetics:	7 88.22 cM
Gene Summary:	<p>May act as a transporter of organic cations based on a proton efflux antiport mechanism. May play a role in the transport of chloroquine and quinidine-related compounds in kidney (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains an alternate 5' non-coding exon; hence, differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>