

Product datasheet for **MC218381**

Slc47a1 (BC031436) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc47a1 (BC031436) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc47a1
Synonyms:	RP23-451A6.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC031436
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGGC**

ATGGAACGCACGGAGGAGTCCGCTCCCGGGCCGGGAGGCGCGACGCTGCGTCCGAGCGCCGTGGGCTAC
 GCTGCCTGCTGCTGCCCGGCTTCCAGAGGAGCTGCGGGCACTCTGGTCCTGGCGGGTCCGCTTCTT
 GGCCAGCTGATGATGTTCTTAATCAGTTTCATAAGCTCAGTGTCTGTGGCCACTTGGGCAAGCTGGAG
 TTGGATGCAGTCACACTGGCAATTGCGGTTATCAATGTCACAGGCATTTTCACTGGGACATGGCTTGTCTT
 CTGCTTGTGACACGCTCATCTCCAGACATACGGGAGCCAGAAGTTAAAGCACGTAGGGGTTATCTCGCA
 AAGGGGGACACTCATCTGCTCCTCTGCTGCTTTCCCTGCTGGGCACTCTTCATCAACACCGAGCAAATT
 CTGCTGCTCTTCAGACAGGACCCGGATGTATCCAGGCTCACCCAGACTTACGTATGATCTTCATCCAG
 CGCTTCTGCAGCTTTTCTTTATACGTTACAAGTTAAATACTTGCTCAACCAGGGCATCGTTCTGCCTCA
 GATTATGACGGGCATCGCAGCTAACCTTGTCACGCCCTGGCCAACTATGTGTTTCTCTATCACCTGCAT
 CTGGGGGTGATGGGTTACGATTGGCCAAACCATCTCCAGTTTGCCCTGGCCATTTTCTGTTCTCTCT
 ACATCCTCTGGAGAAGACTACACCAAGCCACCTGGGGAGGGTGGTCTGGGAGTGTCTGCAGGACTGGGC
 CTCTTCTGCGACTGGCTATCCCAGCATGCTCATGCTGTGCATAGAGTGGTGGGCTATGAGGTTGGC
 AGCTTCTGAGTGGTATCCTTGGCATGGTGGAGTTGGGAGCCAGTCCATCACCTATGAATTGGCTATCA
 TTGTATACATGATCCCTTCAGGCTTCAGTGTGGCTGCCAACGTCGGGTGGGAAATGCACTGGGCGCAGG
 AAACATTGACAGGCCAAGAAGTCTCAGCTATTTCTTGATAGTCACAGAGCTCTTGCTGTGACCTTC
 TGCGTCTGCTGCTAGGCTGTAAGGATCTCGTGGGCTACATTTTCACTACCGATCGGGATATCGTGGCT
 TGGTGGCTCAAGTGATCCCCATTTATGCTGTGTCCACCTCTTTGAAGGTCTTGCTGTACCTGTGGTGG
 TATCCTGAGGGGCACTGGGAACCAGAAGGTTGGAGCCATCGTTAATGCCATCGGGTATTATGTCATTGGC
 CTCCCCATCGGGATCGCGCTGATGTTTGTGCTAAGCTGGGAGTATCGGCTGTGGTCAAGCATATCA
 TCTGCACTACCTGTCAGACCAGTGCTTCTGGCTTTTATTGCTCGGCTCAATTGGAACGCGCCTGTCA
 ACAGGCTCAAGTACATGCCAATTGAAGGTAACGTCGGCCTGAATTCGCTGTCTCTACGAGCCTGCT
 CACCCAGTGTGCTGAGAGCCATGGAGAAATTATGATGACGGATCTGAAAAAAGACGAGACTCAG
 TTGGACCAGCCGATGAACCAGCAACAAGCTTGCCTATCCGTCCAAGGACAGCAATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: BC031436

Insert Size: 714 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC031436</u>
RefSeq Size:	2629 bp
RefSeq ORF:	1598 bp
Locus ID:	67473
Cytogenetics:	11 B2
Gene Summary:	Solute transporter for tetraethylammonium (TEA), 1-methyl-4-phenylpyridinium (MPP), cimetidine, N-methylnicotinamide (NMN), metformin, creatinine, guanidine, procainamide, topotecan, estrone sulfate, acyclovir, ganciclovir and also the zwitterionic cephalosporin, cephalexin and cephradine. Seems to also play a role in the uptake of oxaliplatin (a new platinum anticancer agent). Able to transport paraquat (PQ or N,N-dimethyl-4-4'-bipyridinium); a widely used herbicide. Responsible for the secretion of cationic drugs across the brush border membranes (By similarity).[UniProtKB/Swiss-Prot Function]