

## Product datasheet for **MG206434**

### Slc22a18 (NM\_008767) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc22a18 (NM_008767) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc22a18
Synonyms:	AW260131; BWR1A; BWSCR1A; HET; Impt1; ITM; Orctl2; p45-BWR1A; Slc22a1l; TSSC5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206434 representing NM_008767 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGCAGCATGGCTGCTCTGCCCCGGCAGGGGATCATCACTCACCTATGTGCTGGCAGCCCTGG  
AGCTAACGTGTCTTTCATGCAGTTCTCCATCCTACCATATCTGTCTCGGACACTGGGCCTAGATTCTGT  
CTCCTTTGGCTACCTACAGACAACCTTTGGGGTGTTCAGCTGTTGGGTGGCCTGTGTTCCGCAGGTTCC  
GCAGACCAGTGGGGCAAGAGCGGCACTCTCACTCTCCTTCTGGCGGCTCTGCTCTGTACCTGCTCC  
TGGTGGCCTCCTGTAGCCAGCCCTGCCTGGTGTCTTCTGCTCTCGCCTCACGCATACCCCTCTGCCCT  
CATGCACACACTTCCAGCCGCCAGATGGTCATCACTGATCTGACAGCGCCACAGAGCGGCCCGCAGCA  
CTGGGCCGGCTGGCCTCTGCTTTGGCATTGGAATTATCTTCGGCTCCCTACTTGGCGGGACCCTTAACA  
CCGCATACGGGATCCAGTGTCTGCCATCCTGGCTTTTGTGGTACCCTCCTAGGAGCTGTCTCAGCTT  
TACCTGTGTCCCTGCTACCACCAAGGAGGCCAGTGTCCAGTCAGCTCCTCAGGGTGAACCAAGGCCAGT  
GTATTTGACCTGAAGGCCATCACCCGCTGCTACTGCTGCCTAGAGTGTGCTGCTGATTCCTGGTCAAGG  
TAATCTCTGGCCTCCCTCAGGACTCTTCTTGGTGTGTTTTCCATCATCTCTATGGACTCTTCCAGCT  
GGAGGCTGCACAGGCTGGCTACCTCATGTCTTCTTCCGGATCCTCCAGATGATGATCCAAGGCCCTGGTC  
ATTGGGAGGCTGAGCACCATTTTCCAGAGGAAGCCTTGGTGGATCCAGTGTGCTGGTCTTTGCTGTTG  
TGGGACTGGGCATGGCGCTGATGTCCAGTGTGCTCCATTTCTGTTTTCTGATGCCTGGGCTGGTATTGAG  
TCTCTGTACTCTCAACGTAGTCACAGACAGCATGCTGACCAAGGCTGTGTCGGCTTCCAGACAGGGACC  
ATGCTGGGCTCTCTGCATCTGTGCAACCATTGACCCGAAGCTCTAGGACCCACCCTAGGTGGCCTGCTGT  
ACCGTAGCTATGGTGTCCCATCTTTGGCCATGTGCAGCTCATGGTGAAGTGTGCTTGTCTATTGCTCT  
TTGGAAGAAGCCATTGTCCAGAAAGGGAGAAAAAGCCCG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206434 representing NM\_008767  
 Red=Cloning site Green=Tags(s)

MSGSMAALPRQGIILTYVLALELTCLFMQFSILPYLSRTLGLDSVSFGYLQTTFGVLQLLGGPVFGRF  
 ADQCGARAALSLSFLAASALYLLLVASCSPALPGVFLLFASRIPSALMHTLPAAQMVITDLTAPTERPAA  
 LGRLGLCFGIGIIFGSLLGTLNTAYGIQCPAILAFVVTLLGAVLSFTCVPATTKAESVQSAPQGGTKAS  
 VFDLKAITRLLLLPRVLPVFLVKVISGLPSGLFLVMFSIISMDFFQLEAAQAGYLSFFGILQMMIQGLV  
 IGRSLSTHFPEEALLRSSVLVFAVVGLGMALMSSVLHFCFLMPGLVFSLCTLNVTDSMLTKAVSASDTGT  
 MLGLSASVQPLTRTLGPTLGGLLYRSYGVPVIFGHVQLMVNLLVLLVWLKPKLSQKGEKAR

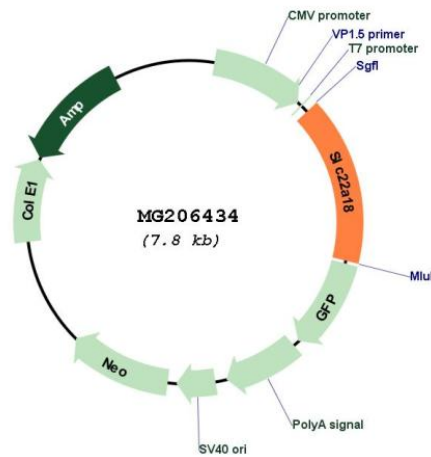
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_008767

<b>ORF Size:</b>	1233 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_008767.3</a>
<b>RefSeq Size:</b>	1520 bp
<b>RefSeq ORF:</b>	1233 bp
<b>Locus ID:</b>	18400
<b>UniProt ID:</b>	<a href="#">Q78KK3</a>
<b>Cytogenetics:</b>	7 88.22 cM
<b>Gene Summary:</b>	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]