

## Product datasheet for **MG223818**

### **Slc44a1 (NM\_001159633) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc44a1 (NM_001159633) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc44a1
Synonyms:	2210409B22Rik; 4833416H08Rik; AW547365; Cdw92; CHTL1; CTL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG223818 representing NM\_001159633  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTGCTGCAGCTCCGCCTCCGCCGCGCAGAGCTCCAACGAGAATGGAAGCCATTGGAAGACCGTA  
 GCTGCACAGACATACCATTGGCTGCTTCTTTGTTCTCTTCTGCATTGGGATGGGATTTATTTGGGCTT  
 TTCAGTAGCAACAGGTGCAGCAGCAAGACTAGTGTGAGGATACGACAGCTATGGAATATCTGTGGCAG  
 AGAAATGCAAACTGGAAGCAATACCGAACAGTGGTCTGGACCACACCCACCGGAAGTATGTGTTCTTTT  
 TGGACCCATGCAACCTGGACTTGATAAACAGGAAGATCAAGTCTATAGCACTGTGCGTAGCAGCATGTCC  
 TCGACAGGAGTTGAAAACCTTGAGTGACGTCCAGAAGTTGCAGAGATCAATGGCTCAGCACTATGTAGC  
 TACAACATAAAGCCTTCTGAATATACTCTGACTTCAAACTCCTCTGGCTTTTGCCCAAGCTACCAGTAC  
 CAGCCAGTGCACCTATTCATTCTCCATCGCTGTCTCTGTGAACATTTCTGCTATGCCAAGTTTGC  
 AGAGGCCCTGATCACCTTTGTCAGTGACAATAGTGTCTTACACAGGCTGATTAGTGGAGTAAAGACCAGC  
 AAAGAAATATATTGGGACTTTGCTTGTATCACTAGTCTGTCCATGATCCTGATGGTGAATATACAGT  
 ATATATCAAGAGTGTAGTGTGGATTCTAACAGTCTGGTCATACTGGGTTCACTTGGTGGCACGGGTGT  
 ATTATGGTGGCTGTATGCAAAGCAAAGAAGTCCCCAAAGAAGCAGTTATTCCTGAGCAGCTTCAGATA  
 GCTGAGGACAATCTCGGGCGCTCCTCATCTATGCCATTTACGCGACAGTGTTCCTGTCATTCTCTTCC  
 TGATCATGCTGGTTATGCGCAAGCGTGTGGCTCTCACCATCGCCTTGTCCACGTGGCTGGCAAGGTCTT  
 CATACTTGCCTCTGTAGTCTCCAGCCCTTCTGGACGTTTTTGGCTCTCGTCTATTTTGGGCATAC  
 TGGATAATGACACTTCTCTTCTTGGCACTACTGGCAGTGTCTGAGAATGAGCAAGGCTTCGTGGAGT  
 ACAAATCTCCGGCCCTTTGCAGTACATGTGGTACCACGTGGTGGCCTGATTTGGATCAGTGAAT  
 CATTCTCGCTGTGACGAGATGACTGTGGCAGGAGCTGTGGTAACATACTACTTTACTAGGATAAACCGG  
 AATTTGCCTTTCACACCTATTCTGGCATCAGTGAATCGCCTTATTCGTTACCACCTCGGACTGTGGCAA  
 AAGGATCCTTCATTATCACCTCGTCAAAATCCCAGGATGGTCTCATGTATATCCACAGTCAAGCTCAA  
 AGGGAAGGAAAACGCTTGTGCACGATGCATGCTGAAATCTGCATTTGCTGCCTTTGGTGTCTTGA  
 TGCCTGAGCTACTTAAACCAGGTTTGCATGCAGCCTTTGAAAGCCTGGAGCAGAGCCAGAAAACCTGAAGC  
 ATGCAAGGGGCAGTTGGGGCATCTCAGACAAGAGACAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG223818 representing NM\_001159633  
 Red=Cloning site Green=Tags(s)

MGCCSSASAAQSSKREWKPLEDRSCTDIPWLLLFVLCIGMGFICGFSVATGAAARLVSGYDSYGNICGQ  
 RNAKLEAIPNSGLDHTHRKYVFFLDPCNLDLNRKIKSIALCVAACPRQELKTLSDVQKFAEINGSALCS  
 YNIKPSEYTLTSKSSGFCPKLPVPASAPIPFHRCAPVNI SCYAKFAEALITFVSDNSVLHRLISGVMST  
 KEIILGLCLLSLVL SMILMVIIRYISRVLVWILTVLVILGSLGGTGVLWVLYAKQRRSPKEAVIPEQLQI  
 AEDNLRALLIYAI SATVFTVILFLIMLVMRKRVALTIALFHVAGKVF IHLPLLVPQFWFFALVLFWAY  
 WIMTLLFLGTTGSAVQNEQGFVEYKISGPLQYMWVYHVGLIWI SEF ILACQMTVAGAVVYTFTRDKR  
 NLPFTPILASVNLIRYHLGTVAKGSFIITLVKIPRMVLMYIHSQKKGKENCARCMKSCICCLWCLEK  
 CLSYLNQVCMQPLKAWSRARKLKHARGSWGISDKRQ

**TRTRPLE** - GFP Tag - V

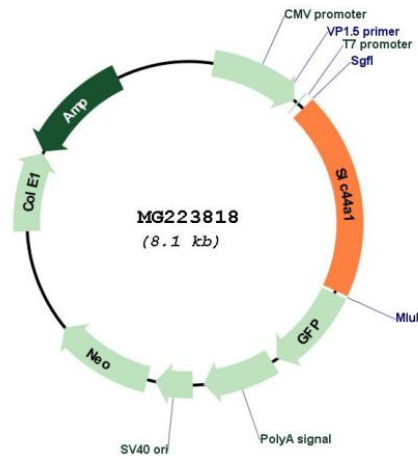
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	NM_001159633
<b>ORF Size:</b>	1578 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_001159633.1</a> , <a href="#">NP_001153105.1</a>
<b>RefSeq Size:</b>	1938 bp
<b>RefSeq ORF:</b>	1581 bp
<b>Locus ID:</b>	100434
<b>Cytogenetics:</b>	4 B2
<b>Gene Summary:</b>	Choline transporter. May be involved in membrane synthesis and myelin production. [UniProtKB/Swiss-Prot Function]