

## Product datasheet for **MC201310**

### Slc52a2 (NM\_029643) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc52a2 (NM_029643) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc52a2
Synonyms:	2010003P03Rik; D15Erttd747e; GPCR42; Gpr172b; mRFT1; PAR2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC016264 sequence for NM\_029643  
 CTGCCTCCGGGCTAAGTGGCGTGCTCCCGGGGCTGGCGGGGCTGCTCCGGCCCCACGCCCTGATGCAC  
 CGCACTCAGCCGAGGAGCCAGAATCGAATCAAGTCAGCCAGCCACACCTCTTGCCGATCCACGCCGGCT  
 GCCTGAAGTTAGCTGTATCCAGTCTGGTTTAGCCGCGCAAGACTTGGTCTCCGCAAGCATCAAGGAC  
 TGGCTCTTTTCGCTCATCTTCTCCCGGAACCATGCTTTAAGCCAGCTTCTCGCTCCCCCGCTTGCCAGT  
 CTTGTACAGAAGGGTCCCGGTGCAGGCTCCATGAATAGTTAGAGAAGCTTTGGATCTACGTGGGAAAAGG  
 GCGGACTGTTACCTTCGCTTTGCTGCTGGAGGGCCCGCTTTGACCTTTGACCTAATGGCAGCACCTCCGCT  
 GGGCCGACTGGTGTGACCCATCTGCTGGTGGCCCTTTTCGGCATGGGCTCCTGGGCTGCTGTCAACGGG  
 ATCTGGGTAGAGCTGCCGTAAGTGGTGAAGAGCTCCCGAGGGTGGAGCCTCCCTTCTACCTCTCTG  
 TGCTTGTGGCGTGGGAAACCTGGGTCTGCTGCTGGTACTCTGTGGAGCGTCTGGCTCGCGGCAAGGG  
 CGAGCAAGTCCCATCCGAGTGGTTCAGGGGCTAGGCATAGTGGGCACAGGCCTACTGGCCTCTCTGTG  
 AACACGTGGCCCAAGTGGCAGGAAAGCCGTAAGTGGCCTTCTAACGCTGGCGTTTGTGCTGGCAT  
 TGGCCTGTGTGCTTCTAATGTCACTTTCTGCCCTTCTTGAGCCACCTCCACCCCTTTTACGGTC  
 TTTCTTCTGGTCCAGGGCTGAGTGCCTCCTGCCCTGTGTGCTAGCCCTGGGCAAGGGTGGGCCGC  
 CTTGAGTGCCTGCATGTGCTGCCAACAGGACACTGGGCTCCGATCGAGGTGTCTCCATTAATTTC  
 CTGAACGGTTTTCTGCCACCACGTTCTTCTGGGTGTGACTGCCCTTCTGGGCACTTCAGCAGCTGCCT  
 CCAAGGCCTCCTGTTACTACTGCCATCCCCGACATCTGAACCCACAACAGGTACAGGGCTTCGGGTAGAA  
 ACACCAGGAACAGAGGAGGAAGAGGAAGAGGAAAGAGGCCTCACCTTTCAGGAGCCACCAGGCCAGGTGG  
 CAGGCATTGTTCCAGCCAGACCCTAAGGCCATCAGCTGTTCTTCCCGAAGTGCCTGTCTACTGGG  
 CCTGCTGGCCATACCAATGCTCTGACCAATGGCGTGTGCCGCTGTACAGAGCTTTTCTGCCTGCC  
 TATGGGCGCTGGCCTACCACTTGGCTGTCTGACTGGGTAGCTGTGCCAACCCCTTGCCTGCTTTCTGG  
 CCATGGCAGTGTGTGAGGTCTCTGGCAGGGCTGTGTGGTCTGTCTCTGCTGGGCATGCTTTGGGCTC  
 CTACCTGATGACTGGCAGCCTTAAGTCCCTGTCCTCCTGTTGGGACCTCTGCAGGTGGTCCCTC  
 GTGGTACTCTCATGGGTCTGTGCGCAGGCACGTTCTCGTATATCAAGGTGGCGATCAGTCCATGTTAC  
 ACAGCGGAGGCCGCCAGCACTGCTCGTGTGCGTGGCTATTAGGTGGGCTCTGCTGGGTGCGGT  
 CGCCATGTTCCCTCCTACCAGCATCTACCAGTATTTTCGAGCGGAAAGGACTGTGTGGACCAGTGTGGC  
 CTCTGAACCCAGACGTGTAGGAGTTACTTACACTTGTCTCCACCTGGAGGGTAGGAGGGATGGTCACAG  
 TGCCTGGTCTGTGGCCCAAGGTGGCCACCCTACACACAGATAATATGGATATTTACACTCCACAAGA  
 GACCTGGCTTTGGAGAAAAGACCAGTGTGAGGACCAAGAGCAGGCCAGACCCAGGGATAGATTGGAGC  
 TGCGCGGCTTCAACCCTGGGACCTCTGTGGGATTTGCACAATAAACATCTTCATCAAAAAAAAAAAAAA AAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_029643  
**Insert Size:** 1353 bp  
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

<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>	<u><a href="#">BC016264</a></u> , <u><a href="#">AAH16264</a></u>
<b>RefSeq Size:</b>	2042 bp
<b>RefSeq ORF:</b>	1353 bp
<b>Locus ID:</b>	52710
<b>UniProt ID:</b>	<u><a href="#">Q9D8F3</a></u>
<b>Cytogenetics:</b>	15 36.04 cM
<b>Gene Summary:</b>	Riboflavin transporter. Also acts as a receptor for 4-hydroxybutyrate.[UniProtKB/Swiss-Prot Function]