

## Product datasheet for **RN211994**

### **Slc52a2 (NM\_001109670) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc52a2 (NM_001109670) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc52a2
Synonyms:	Gpr172a; Gpr172b; RGD1560410; rRFT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211994 representing NM\_001109670  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGCACCTCCACTGGGCCGACTGGTCTGACCCATCTGCTGGTGGCCCTTTTCGGCATGGGCTCCT  
 GGATTGCGGTCAATGGGATCTGGGTAGAGCTACCTGTAGTGGTAAAAGAGCTCCCGAGGGTTGGAGCCT  
 CCCTTCTACCTCTCAGTGCTTGTGGCACTGGGAACTGGGTCTGCTGCTGGTACCCTGTGGAGGCGT  
 CTGGCTCCCGGAAGAGCGAGCGGATCCCCATCCAAGTGGTTCAGGGGCTGAGCATAAGTGGGCACAGGCC  
 TGCTGGCCCTCTGTGGACAACATGGCCCTGGTGGCAGGACAGCTCCACTCTGTGGCCTTCTAACCGT  
 GGCGTTTGTGCTGGCATTGTCTGCTGTCTTCCAATGTCACCTTCTGCCCTTCTGAGCCACCTACCG  
 CCTCCCTTTTACGGTCTTCTTCTGGCCAGGGCCTGAGTGCCTGCTGCCCTGTGTGCTGGCTCTGG  
 CGCAGGGGGTGGCCGCCTGGAGTGCCTGCATGTGCTGCCAACGGCACCCCGGCCCTCCGATCAAGGT  
 GTCTCCCATCAATTTCCCTGAGCGTTTCTCTGCTGGCACATTCTTTGGGTGTTGACGGCCCTCCTGGC  
 ACTTCAGCCGCCGCTTCCAAGGCTCCTGTTACTACTGCGTCCCACCACTGAAGCCACGATGGGTA  
 CCGGGCTTCGGGTAGAAACACCAGGAACAGAGGAGGAAGAGGAAGAGGAGGCCTCACCATTGCAGGA  
 GCCACCAGGCCAGGTGGCAAGCATTGTTTCCAGCCAGACCCTAAGGCCATCGGCTGTTTTCTCCCGA  
 AGTGCCTGTCTACTGGGCTGCTGGCTATCACCAACGCCCTGACCAACGGTGTGCTGCCCGCTGTACAGA  
 GCTTTTCTGCCTGCCCTATGGCGCCTGGCCTACCACTGGCTGTCGACTGGGTAGCTCTGCCAATCC  
 CCTTGCCTGCTTCTGGCCATGGCAGTGTGTGCAGGTCTCTGGCAGGGCTGTATGGCCTCTGTCTGCTG  
 GGCATGTTCTTTGGCACCTACCTGATGACACTGGCAGTCTTAAGTCCCTGTCCCCTCTGGTGGGCACCT  
 CAGCAGGTGGTCCCTCGTGGTCTTTCATGGTACTGTGTGCAGGCGTGTCTCGTACATCAAGGTGGC  
 GACCAGTTCATGTTACACAGTGGAGCGGCCAGCACTGCTCGCAGCTGGGGTAGCTATTTCAGGTGGGC  
 TCTCTGCTGGGCCCATCGCCATGTTCCCTCCCACCAGCGTCTACCCTGTGTTTCGCAGTGGAGAGGACT  
 GTGTGGATCAGTGTGGCCCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001109670

**Insert Size:** 1353 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.

RefSeq: [NM\\_001109670.1](#), [NP\\_001103140.1](#)  
RefSeq Size: 2963 bp  
RefSeq ORF: 1353 bp  
Locus ID: 362942  
UniProt ID: [B5MEV3](#)  
Cytogenetics: 7q34  
Gene Summary: Riboflavin transporter. Also acts as a receptor for 4-hydroxybutyrate.[UniProtKB/Swiss-Prot Function]