

Product datasheet for **RN205605**

Slc52a3 (NM_001037198) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc52a3 (NM_001037198) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc52a3
Synonyms:	Rft2; RGD1304644; rRFT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205605 representing NM_001037198
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCTTCTGACACACCTGCTGGTCTGCGTCTTTGGCATGGGCTCCTGGGTGGCCATCAATGGGCTCT
 GGGTGGAGCTGCCCTGCTGGTGACCAAGTTGCCGAGGGCTGGTACTTGCCCTCTTACCTAACTGTGGT
 CATCCAATGGCCAACACAGGCCCTCTAGTCACCCTGATGCATCGCTTCCGACCCGGCTGCCTGTCT
 GAGGTGCCGTGATCTTCCTTATCCTGTGTGTAGGCACAACCTGCCTGCATCCTCTAGCCTTCTGTGGA
 GTATGACCTCCTGGATACAGGTAGACAGCATAGTGTGGCCTTCATCGTCTCACCTTCTTCTGGCCCT
 GGTGGATTGACTTCTCTGTACCTTCTTGCCTTCATGAGCCAGCTGCCACGTAATCTTACCACC
 TTCTTTATAGGCGAGGGGCTCAGTGGCCTCCTGCCTGCACTGGTGGCCCTGTCCAAGGCTCAGGTATCA
 CCACCTGTGTCAATGTCACGGAGACACCAGGTACCACCTTGAACCCTGTGACCACTATGGAGACTTCCAT
 CACTCAGAGAACCCTTAGCCCTTCCCTGACGCCCTCACCTGGCACCTGGAGAGCCGCTACCTGGCCCCA
 CGCTTCTCGCCACTGCTCTTCTTCTACTGCTCTCCTTCTGATGGGCTGCTGCCTGGTGCCTTCTTCC
 TCCTGCAGCGGCAGCCCTGGGGACGGCAAGGCTCCATAGAGGACCTCCTCCACTCCCAGGTACCCCTGCA
 CTCGATCAAACACGTGACACAGAGGACACCGGCTCAGTGGGCGCCCCTGTGAGCAGCCAGGCAAGGGA
 TCAGTGAAGTCAGTGTAGCTTCACTCCGCCAGCCAGCTGGCCTTCATCTACTCCGTGGTAGCCTTTG
 TCAATGCGCTACCAATGGTGTCTGCCCTCAGTGCAGACCTACTCCTGCCTGCCTATGGGCTGTTGC
 CTACCATCTGTCTGCCACCCTCAGCTCCGTGGCAGCCCCCTCGCTGCTTCTCCCCATCTTCTGCCT
 AACAGGTCGCTGTTATTCTGGGGTGCTCACAGTGTGGGGACTGGCTTTGGGACCTACAATATGGCCA
 TGGCTGCTATGAGCCCCTGCCCCATCTGCAGGGTCACTGGGTGGAGAAGTCCTTATCGTCTCTCCTG
 GATGCTGTTTGTAGCCTGTCTCAGCTATGTCAAGGTGATGCTGGGTGTGATCTTGCCTGATCGGAGTCGC
 AGCGCCCTCTTGTGGTGTGGGGCAGCAGTGCAGCTGGGCTCTCTGATTGGTGCCTGCTCATGTTCCCGC
 TGGTTAATGTAAGTAACTCTTCTCATCTGCTGACTACTGCAGCCTGGACTGCTCAGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001037198

Insert Size: 1392 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_001037198.1, NP_001032275.1

RefSeq Size: 2246 bp

RefSeq ORF: 1392 bp

Locus ID: 311536

UniProt ID: Q4FZU9

Cytogenetics: 3q41

Gene Summary: Transporter for riboflavin, which must be obtained as a nutrient via intestinal absorption. Riboflavin transport is Na(+)-independent but moderately pH-sensitive.[UniProtKB/Swiss-Prot Function]