

## Product datasheet for **RN208684**

### Slc46a2 (NM\_001106652) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc46a2 (NM_001106652) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc46a2
Synonyms:	Tscot
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN208684 representing NM\_001106652  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGTCCCGGGTTCACCTGTCCGTGGAGCGGCTCGTCTCTGGCTTCCGGGTGAGGACTTGGATCGAGC  
 CTGTGGTGGCTTCAACCCAGGTGGCCGGTTCCTCTATGATACAGGACTACTTCTGGTACTGAAGGAGTC  
 CTTTGATCTGACGCTAGAGACTCCTCTAATTACAGTGCCAACCCAGTCGCTGGGGAAACGTCAGGAGGAC  
 CAACAGCAGAAGGCCATCTCCAATTTCTACATCATTTACAACCTCGTGGTGGGCTGACACCCCTGCTGT  
 CCGCTATGTAAGTGGCTGGCTCAGCGACCGCTACCACCGTAAGATCTCTATCTGCACGGCGATGCTGGG  
 CTTCTTCTGTCCCGCATCGGACTCTTACTCAAAGTGATGCTGGACTGGCCACTGGAGGTGATGTACGGA  
 GCAGCGGCGCTCAATGGGCTGTGCGGGGCTTCTCCGCTATTGGTCCGGGGTCATGGCGCTGGGATCCC  
 TGAGCTGCTCCAAAGCCGCCGCTCCGTGCGCCTCATCCTCATCGATTTAGTCTAGGCTTGGCTGGGTT  
 CTGTGGCAGTATGGCTTCAGGGCATCTTCAAGCAAATCGTTGGGCACTCTGCGCAAGGCCTTCTGTTA  
 ACCGCCTGCAGCGTGGGCTGTGCGGCGTTTGCCTTTTCTACAGTCTCTCGTGCTAAAGGTCCTGAAG  
 CTGTGTCCAAGCCCAACAAGGTGACCCCACTGTAGATACTGTGTCTGGCATGATGGGCACCTATCGAAC  
 CCTGGATCCAGATCAACAGGACAAGCCTAATATACAGGCAAACCCCTCAACTCCTGGAAAAGAGAAGCCT  
 TCCAAGCCATCATTGCTCTGCTGTTTGTGGGCGCCATTGTTTATGACCTTGCTGTGCTGGGCGACATTGG  
 ACGTTATGGCCCTTTTCGTGCTAAAGGATCCTCTCCATTGGAACCAAGTGCAGCTGGGCTATGGGATGGC  
 TTCTGGGTACATAATCTTACAACAGCTTCTTGGGTGTCTTGGTCTTCTCCGCTACTTCCGGGACACC  
 ACGATGATCATAATTGGGATGGTTTCTTTGGGCTGGAGCCCTCTCTTGGCCTTTGTGAAGAAGACAT  
 ACATGTTCTAATTGCCGAGCTGTATGCTGTTTGCACCTATTCCCATCACAAACCATCCGGTCAGCCAT  
 GTCCAAGCTTGTAAAGGACTCTTCTATGGAAAGATTTTCGTCATACTGCAGCTGTGCCTAGCTCTGACT  
 GGGGTGGTGACATCCACCATGTACAACAAGATCTATCAGCTTACGCTGAACAAGTTCGCCGGCACCTGCT  
 TTCTTCTGCTCTTTTCTCTCTTCTTGGCCATTGTCCCAATTGGTGTGTGGCCTACAAACAAGTCCC  
 GGGGTCACGACAAGGAGAGTGTGCGGATACACAGAGGAGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001106652
- Insert Size:** 1443 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\\_001106652.1](#), [NP\\_001100122.1](#)  
RefSeq Size: 1985 bp  
RefSeq ORF: 1443 bp  
Locus ID: 298034  
Cytogenetics: 5q24