

## Product datasheet for **RN213182**

### Slc15a2 (NM\_031672) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc15a2 (NM_031672) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc15a2
Synonyms:	MGC91625
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN213182 representing NM\_031672  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTTGAGGAGAGAGAGTAAGGAGCCAGCCATGAATCCTTTCCAGAAAAATGAGTCCAAGGAAACGC  
 TTTTTTACCTGTCTCTACTGAGGAGATGCTGCCTAGACCTCCGAGCCCTCCAAAGAAGTCACTCCGAA  
 AATCTTTGGCTCCAGCTACCCAGTCAGCATTGCCTTCATCGTGGTGAATGAATCTGCGAGCGATTTTCC  
 TATTATGGCATGAAAGCTGTGCTGACCTTGACTTCTGTATTTCTGCACTGGAATGAAGACACGTCCA  
 CCTCTGTCTACCATGCCTTCAGCAGCCTCTGCTATTTCACTCCCCTTTGGGTGCGGCCATTGCTGACTC  
 CTGGCTGGGAAAAATCAAGACAATCATCTATCTCTCCCTGGTGTATGTTCTTGGCCATGTATTCAAGTCT  
 TTGGGTGCCATACCAATACTGGGAGGAAAAATGCTACATACAATCTTATCATTGGTTGGTCTGAGTCTAA  
 TTGCTCTGGGAACAGGAGGTATCAAACCCTGTGTGGCAGCTTTCGGCGGAGACCAGTTTGAAGGGAACA  
 TGCAGAGGCACGGACTAGATACTTCTCAGTCTTCTACCTGCCATCAATGCGGGGAGCTTGATTTCCAGC  
 TTCATCACACCCATGCTGAGAGGAGATGTGAAGTGTTCGGCCAAGACTGCTATGCACTGGCTTTTGGAG  
 TTCAGGATTGCTCATGGTGTGGCACTTGTGTGTTGCAATGGGAAGCAAGATGTACAGGAAACCACC  
 TCCTGAAGGGAACATAGTGGCTCAAGTTATCAAATGCATATGGTTGCTCTCTGCAACCCTTCAGGAAC  
 CGTTCTGGGGACCTCCGAAGCGACAACACTGGCTAGACTGGGCAGCAGAAAAATATCCAAGCATCTCA  
 TCGCAGATGTGAAGGCCCTGACCAGGACTGTTTCTTTATATCCCACTGCCATGTTCTGGGCACCTTT  
 GGACCAACAGGGCTCGCGGTGGACTCTGCAAGCTAACAAAGATGAATGGTACTTGGGTTTTTTGTACTT  
 GACCCGGATCAGATGCAGGTGCTAAATCCCTTTCTGGTCTTATCTTATCCCTTGTGGTGTGATGATCCT  
 TTTACCGGCTGATCTCCAAGTGCAGAAATTAATCTCATCACTCAGGAAAAATGGCAGTTGGTATGATCCT  
 AGCGTGCTTGGCTTTTGCAGTTGCAGCACTTGTGAGACAAAAATAAATGGAATGATCCATCCCCAGCCA  
 GCTTCCCAAGAGATATTTTTACAAGTCTTGAATTTGGCAGATGGTGTAAAGGTGACCGTGTGGCA  
 GTAGAAAATAATTCTCTTGGTGGAGTCCGTCAGCTCTTTTCCAGAACACAACGCACTATTCAAACCTACA  
 CCTGGAGGCAAAGAGCCAAGATTTACATTTTCTGAAAGTATAACAGCTTGTCTGTCCACAATGACCAT  
 TCTGTAGAGGAGAAGAACTGTTACCAGCTGCTCATTACCAGGACGGGGAGAGTATCTCCAGCATGCTGG  
 TCAAGGATACAGGAATCAAACCAGCCAATGGGATGGCAGCCATCAGGTTTATTAACACTTGCATAAAGA  
 CTTGAACATCTCCTTGGATACAGACGCTCCTCTCAGCGTGGGCAAAGACTACGGAGTGTCTGCATACAGA  
 ACTGTGCTAAGAGGAAAGTATCCTGCAGTGCCTGTGAAACTGAAGACAAAGTCTTTTCTCTCGATTTAG  
 GTCAACTAGACTTTGGTACAACATATTTGTTCTGATCACTAATATCACCAGTCAGGGTCTTCAGGCCTG  
 GAAGGCAGAGGACATTCCAGTCAATAAACTATCCATTGCATGGCAGCTACCACAGTATGTCTGGTTACA  
 GCAGCAGAGGTGATGTTCTCAGTCACAGGACTGAATTTTCTTATTCTCAGGCACCATCTAGCATGAAAT  
 CTGTGCTCCAGGCGCCCTGGTTGTTGACCGTTGCAGTTGGGAATATCATTGTGCTTGTCTGGCTCAGTT  
 CAGTGGCTGGCACAGTGGGCGGAGTTCGTTTTGTTTTCTGCCTCCTCTGGTGGTCTGCCTGATCTTC  
 TCCGTCATGGCCTACTACTACGTTCTCTAAAGTCAGAAGATACCCGTGAGGCAACAGATAAGCAGATTC  
 CTGCCGTGCAGGGGAATATGATTAACCTAGAAACCAAGAATAACAAGGCT**CTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_031672  
**Insert Size:** 2223 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](#)

**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\\_031672.2](#), [NP\\_113860.2](#)

**RefSeq Size:** 3970 bp

**RefSeq ORF:** 2223 bp

**Locus ID:** 60577

**Cytogenetics:** 11q21

**Gene Summary:** acts as a high affinity proton dependent peptide transporter; may transport peptides from cerebrospinal fluid to blood [RGD, Feb 2006]