

Product datasheet for **RN205050**

Slc5a2 (NM_022590) Rat Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Slc5a2 (NM_022590) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Slc5a2 |
| Synonyms: | Sgt2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

Fully Sequenced ORF: >RN205050 representing NM_022590
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGACACGTAGAGGAAGGCTCTGAACCTGGGGAGCAGAAGTCTGATTGATAATCTGCTGACA
 TTCTGGTCATTGCCGCGTATTTCTGCTGGTCATTGGTGTGGCTTGTGGTCTATGTTCCAGAACCAATAG
 AGGCACAGTTGGTGGCTACTTCTTGGCAGGACGGAGCATGGTGTGGTGGCCGGTTGGAGCCTCTCTGTTCC
 GCCAGCAACATCGGCAGCGGTCAATTTGTGGCCTGGCGGGACTGGTGCAGCAAGTGGCTTGGCCGTGG
 CTGGATTTGAGTGAATGCGCTCTTTGGTGTGCTCCTCGGCTGGCTTTCGTGCCTGTGTATCTGAC
 CGCCGGAGTGATTACCATGCCTCAGTACCTCCGCAAGCGCTTTGGTGGCGCCGATTCCGCTCTACCTG
 TCCGTGCTCTCGCTTTTTTTGTACATTTTACCAAGATCTCGGTGGATATGTTCTCCGGAGCAGTATTCA
 TTCAACAGGCCCTGGGCTGGAACATTTACGTTCTGTCATCGACTCTTGGGCATCACCATGATTTATAC
 TGTGACAGGAGGGCTGGCGGCACTGATGTACACAGACACTGTGCAGACCTTCGTCATTCTTGCCGGGGCC
 TTCATCCTCACTGGTTATGCTTTCCATGAAGTGGCGGGTACTCAGGTCTCTTCGACAAATACCTGGGAG
 CAGTGACTTCACTGACGGTGTCCAAGGATCCAGCTGTTGGCAACATCTCCAGCACCTGCTATCAGCCGAG
 GCCCGACTCCTATCACCTGCTGCGTGACCTGTGACAGGAGACCTGCCGTGGCCTGCGCTGCTTCTGGGG
 CTTACCATTGTCTCAGGCTGGTACTGGTGCAGTGACCAGGTAATTGTGCAGCGCTGCCTGGCTGGAAAGA
 ATCTGACTCACATCAAGGCTGGATGCATCCTGTGTGGTACCTGAAGCTGATGCCCATGTTCTCATGGT
 CATGCCAGGCATGATTAGCCGATTCTTTACCCAGATGAGGTGGCCTGTGTGGTACCTGAGGTGTGTAAG
 CGGGTGTGTGGCACTGAGGTGGGCTGCTAACATCGCCTACCCACGGCTTGTGTGAAGCTCATGCCCA
 ATGGTCTGCGTGGACTCATGCTGGCAGTCATGCTGGCCGCCCTCATGTCTTCTCTAGCCTCCATTTTAA
 CAGCAGCAGCACACTCTTACCATGGATATCTACACACGCTCGGCCTCGGGCGGGTATAGGGAGCTG
 CTGCTGGTTGGAAGGCTTTGGTGGTGTTCATTGTGGCAGTGTCCTGGCTTGGCTGCCAGTGGTGCAGG
 CAGCACAGGGCGGCCAGCTCTTCGATTACATTCAGTCTGTCTCCAGTACCTGGCGCCTCCAGTGTCCGC
 TGTCTTTGTGCTGGCACTCTTTGTGCCCGTGTAAATGAGAAGGGTGTCTTCTGGGGACTCATTGGGGG
 CTGCTGATGGGCCTAGCTCGTCTCATACCCGAGTTCTTCTTTGGCACGGGAGCTGTGTGCGACCCTCTG
 CATGCCAGCCATCTTCTGCCGGTACTACTACTCTCGCCATCATTCTTCTTCTGCTCCGGCTT
 CCTCACACTCGCAATCTCCTGTGCACCGCACCCATCCCTCAGAAGCATCTCCACCGCTGGTTTTTCAGT
 CTCGGCACAGCAAGGAGGAGCGGGAGGATCTGGATGCTGAAGAGTTAGAGGGTCCAGCCCTCCTCCTG
 TGCAGAACGGGTGCCAGGAATGTCAATGGGGATTGAAGAGGTCCAGTCCCAGCTCCAGGCCTGTCCG
 CAGTGTCTGCTGTGTTCTGTGGGATGAGCAAGAGTGGGTGAGGGAGTCTCCACCCACTACCGAGGAG
 GTGGCTGCAACCACAGGCGGCTAGAGGACATCAGTGAGGATCCCAGCTGGGCCGAGTAGTCAACCTCA
 ATGCCCTGCTCATGACTGTGGCTGTGTTCTCTGGGGCTTTTATGCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1588_g04.zip

Restriction Sites: SgfI-MluI

ACCN: NM_022590

Insert Size: 2013 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 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_022590.2](#), [NP_072112.2](#)

RefSeq Size: 2254 bp

RefSeq ORF: 2013 bp

Locus ID: 64522

UniProt ID: [P53792](#)

Cytogenetics: 1q37

Gene Summary: a Na(+)-coupled glucose transporter involved in reabsorption of filtered glucose in the kidney [RGD, Feb 2006]