

Product datasheet for **RN209784**

Slc2a2 (NM_012879) Rat Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Slc2a2 (NM_012879) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Slc2a2 |
| Synonyms: | Glut2; GTT2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >RN209784 representing NM_012879
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCAGAAGACAAGATCACCGAACCTTGGCTTTCCTACTGCTTCTACTGCAGTGTGGGTTCCCTCCAGT
 TCGGATATGACATCGGTGTGATCAATGCACCTCAAGAGTAATAATATCCATTATCGACATGTTTTGGG
 TGTTCTCTGGATGACCGAAGAGCTACCATTAATGATGACATCAATGGCAGACACCCCACTCATAGTC
 ACACCAGCACATACGACACCAGACGCCTGGGAAGAAGAGACTGAAGGATCTGCTCACATAGTCACTATGC
 TCTGGTCTCTGTCTGTGTCAGCTTTGCAGTAGGCGGAATGGTCGCCTCGTTCTTTGGTGGTGGCTTGG
 GGACAACTCGGAAGGATCAAAGCCATGTTGGCTGCAAACAGCCTCTCGTTGACTGGAGCCCTTGTATG
 GGGTGTCCAAATTTGGACCGGCACATGCTCTCATCTGCTGGAAGAAGCGTATCAGGACTGTACTGTG
 GGCTAATTTGAGACTGGTTCCAATGTACATTGGCGAGATTGCTCCAACCACACTCAGGGGTGCCCTGGG
 CACTCTTCACTACTGGCTCTTGTACAGGCATTCTTATTAGTCAGATTGCTGGCCTCAGCTTCTTCTG
 GGCAATCAGGATTACTGGCACATCTACTTGGCCTATCTGCTGTACCAGCTCTCCTGCAGTGTCTGTACT
 TGCTCTTCTGTCCAGAAAGCCCCAGATACCTTTACCTAAAGTTGGAAGAGGAAGTCAGGGCAAAGAAAAG
 CTTGAAAAGACTAAGGGGCACTGAGGACGTCAACAAAGATATTAATGAGATGAGGAAAAGAAAAGGAAGAG
 GCGTCGACTGAGCAGAAGGTCTCCGTGATCCAGCTCTTACGGATCCGAATTATCGGCAGCCCATTTGTGG
 TGGCACTGATGCTACACTTGGCTCAGCAGTTCTCTGGAATCAATGGGATATTTTACTATTTCAACCAGCAT
 TTTTCAGACAGCTGGCATCAGCCAGCCTGTGTATGCAACCATCGGCGTTGGTGCCATCAACATGATCTTC
 ACGGCTGTCTCTGTGCTGCTTGTGGAGAAAGCGGGCGGCGGACCCTGTTCTCGCCGGGATGATTGGCA
 TGTTTTCTGTGCCGCTTTCATGTCTGCTGGGACTGGTGTGCTGGATAAGTTCACTGGATGAGTTATGT
 GAGCATGACGGCCATCTTCTCTTCGTCAGTTTCTTTGAGATTGGGCCAGGTCCAATCCCTTGGTTCATG
 GTTGCTGAATTTTCAGCCAAGGACCCCGTCCACGGCTCTGGCACTGGTGCCTTCAGCAACTGGGTCT
 GCAATTTTCATCATCGCCCTCTGCTTCCAGTACATTGCGGACTTCTCGGGCCTTACGTGTTCTTCTTTT
 TGCTGGGGTGGTCTGATCTTACCCTGTTTACATTTTTTAAAGTTCCAGAAACCAAGGAAAGTCTTTT
 GACGAAATTGCTGCAGAATTCGGAAGAAGAGTGGTTCGGCCCCACCACGAAAGCCGCTGTACAAATGG
 AATTCCTGGGGTCTTTCAGAGACTGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1382_c03.zip

Restriction Sites: SgfI-MluI

ACCN: NM_012879

Insert Size: 1569 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_012879.2](#), [NP_037011.2](#)

RefSeq Size: 2484 bp

RefSeq ORF: 1569 bp

Locus ID: 25351

Cytogenetics: 2q24

Gene Summary: acts as a sodium-independent glucose transporter; plays a role in intestinal glucose transport [RGD, Feb 2006]