

Product datasheet for **RN215477**

Slc2a4 (NM_012751) Rat Untagged Clone

Product data:

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|--------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Slc2a4 (NM_012751) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Slc2a4 |
| Synonyms: | Glut4 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN215477 representing NM_012751
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGTCGGGTTTCCAGCAGATCGGCTCTGAAGATGGGGAACCCCTCAGCAGCGAGTGACTGGGACAC
 TGGTCCTTGCTGTATTCTCAGCTGTGCTTGGCTCCCTCAGTTTGGCTATAACATTGGAGTCATCAACGC
 CCCACAGAAAGTGATTGAACAGAGCTACAATGCAACTTGGCTGGGTAGGCAGGGTCTGGGGACCGGAC
 TCCATCCACAAAGGCACCCTCACTACCCTTTGGGCTCTCTCCGTGGCCATCTTCTCTGTGGGTGGCATGA
 TTTCTCTTTCTCATTGGCATCATTTCTCAATGGTTGGGAAGGAAAAGGGCTATGCTGGCCAACAATGT
 CTTGGCTGTGCTGGGGGGCGCCCTCATGGGCTAGCCAATGCCGCGGCCCTCTATGAGATACTCATTCTC
 GGACGGTTCCTCATTGGCGCTACTCAGGGCTAACATCAGGGTGGTGCCTATGTATGTTGGGAGAAATCG
 CCCCCACTCATCTCGGGTGCCTTGGGAACACTCAACCAATTGGCCATCGTCATTGGCATTCTGGTTGC
 CCAGGTGTGGGTTGGAGTCTATGCTGGGCACAGCTACCCTGTGGCCATTGCTTCTGGCTATCACAGTA
 CTCCTGCTCTCCTGCAGCTGTTCTGTTGCCCTTCTGTCTGAGAGCCCCGATACCTCTACATCATCC
 GGAACCTGGAGGGGCTGCCGAAAGAGTCTAAAGCGCCTGACAGGCTGGGCTGATGTGTCTGATGCACT
 GGCTGAGCTGAAGGATGAGAAACGGAAGTTGAAAGAGAGCGTCCACTGTCTTGTGCACTCCTGGGC
 AGCCGCACCCACCGGCAGCCTCTGATTATTGCAGTGGTGTGCTGAGCTGAGCCAGCAGCTCTCAGGCATCA
 ATGCTGTTTTCTACTATCAACCAGCATCTTGGAGTTAGCTGGGTGGAACAGCCAGCCTACGCCACCAT
 AGGAGCTGGTGTGGTCAATACCGTCTTCACGTTGGTCTCGGTGCTCTTAGTAGAGCGAGCTGGGCGACGG
 AACTCCATCTCCTGGGCTGGCAGGCATGTGTGGCTGTGCCATTTGATGACGGTGGCTCTGCTGCTGC
 TGGAGCGGTTCCATCCATGAGTTATGTGCCATCGTGGCCATTTGGCTTTGTGGCCTCTTTGAGAT
 TGGTCTGGCCCCATCCCCTGGTTTCATTGTGGCCGAGCTTTCAGCCAGGGCCCCCGCCAGCAGCCATG
 GCTGTAGCTGGTTTCTCCAAGTGGACCTGTAACCTCATCGTTGGCATGGGTTTCCAGTATGTTGCGGATG
 CTATGGGTCCCTACGTCTTCTCTATTTGCCGCTCCTCCTGCTTGGCTTCTTCATCTTACCTTCTCTAAG
 AGTGCCTGAAACCAGAGGCCGGACATTTGACCAGATCTCGGCCACCTCCGACGGACACCTTCTCTCTTA
 GAGCAGGAGGTGAAACCCAGTACAGAATTGAATACTTAGGGCCAGATGAGAATGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_012751
- Insert Size:** 1530 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_012751.1](#), [NP_036883.1](#)

RefSeq Size: 2506 bp

RefSeq ORF: 1530 bp

Locus ID: 25139

UniProt ID: [P19357](#)

Cytogenetics: 10q24

Gene Summary: transports glucose; may play a role in insulin response [RGD, Feb 2006]