

## Product datasheet for **RN208748**

### **Slc2a5 (NM\_031741) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc2a5 (NM_031741) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc2a5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN208748 representing NM\_031741  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAAAGAGGATCAAGAGAAGACAGGGAAGCTGACCCTGGTCCCTGCCCTGGCAACTTCTAGCTG  
 CCTTTGGCTCCTCCTCCAGTATGGGTACAACGTGGCTGCTGCAACTCGCCCTCAGAGTTCATGCAGCA  
 GTTCTACAATGACACCTACTACGACAGAAAACAAGGAGAACATTGAGTCCCTCACCCCTGACGCTGCTGTGG  
 TCCCTGACTGTCTCCATGTTCCCTTTGGAGGTTTTATAGGATCTCTCATGGTTGGATTCTTGGTGAATA  
 ACTTGGGCAGAAAAGGGCCTTACTGTTCAACAACATATTCTCCATCCTGCCGCCATCTTGATGGGGTG  
 CAGCAAATTGCCAAATCCTTTGAGATAATAATTGCTTCCAGACTTCTGGTTGGAATATGTGCAGGTATA  
 TCTTCAAACGTGGTCCCATGTACTTAGGGGAGCTAGCCCCAAAACCTGCGAGGGGCTTGGAGTGG  
 TTCTCAGCTCTTCATCACTGTGGGCATCCTTGTGGCCAGCTGTTTGGCCTTCGGAGTGTCTTGGCAAG  
 CGAGGAAGGCTGGCCAATCCTCCTGGGTCTGACTGGAGTCCCTGCCGCCCTGCAGCTCCTCTTGCTGCC  
 TTCTTTCTGAGAGCCCCGCTACCTGTGATTAGAAGAAAAATGAATCAGCTGCTGAGAAAGCCCTTC  
 AGACCCCTCGAGGTTGGAAGATGTGGACATGGAGATGGAGGAAATCCGGAAGGAGGATGAGGCTGAGAA  
 GGCGGCAGGCTTCATCTGTGTGGAAGCTGTTCCGCATGCAGTCCCTCCGCTGGCAACTCATCTCCACG  
 ATCGTCTCATGACCGGCCAGCAGCTGTGAGGAGTGAACGCGATTTACTACTACGCTGACCAGATCTACC  
 TCAGCGCAGGGGTGAAAAGCAACGACGTCCAATATGTGACGGCTGGGACTGGGGCCGCAACGTGTTTAT  
 GACCATGGTCACGGTTTTTGGTAGAGCTTTGGGGACGTGGAACTTCTCCTCATCGGCTTCTCCACC  
 TGCTCACAGCTTGATAGTGTGACGGTGCAGTGGCACTGCAGAACACCATCTCCTGGATGCCCTATG  
 TCAGCATCGTCTGTGTCATTGTCTACGTACATAGGACACGCGTGGGGCCAGTCCCATCCCTGCCCTGTT  
 CATCACCGAGATCTTCTGCAATCCTCTCGACCATCCGCCTACATGATCGGAGGCAGCGTCCACTGGCTC  
 TCTAATTCATCGTGGGCTCATCTTCCCGTTCATTCAAGTGGGCTTGGTCTTACAGTTCATCATCT  
 TTGCGATTATATGTCTCCTCACCTCCATCTACATCTTTCATGGTCGTCCAGAGACCAAGGGCAGGACGTT  
 TGTGAGATCAACCAGATTTTTGCCAAGAACAAGGTATCGGACGTATATCCGGAGAAGGAGGAAAAG  
 GAGCTTAATGACCTCCACCTGTACCCGGGAGCAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_031741
- Insert Size:** 1509 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\\_031741.1](#), [NP\\_113929.1](#)

**RefSeq Size:** 2169 bp

**RefSeq ORF:** 1509 bp

**Locus ID:** 65197

**UniProt ID:** [P43427](#)

**Cytogenetics:** 5q36

**Gene Summary:** membrane carrier protein that functions primarily as a fructose transport; also transports glucose to a lesser extent [RGD, Feb 2006]