

Product datasheet for **RN213468**

Slc5a6 (NM_130746) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc5a6 (NM_130746) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc5a6
Synonyms:	SMVT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213468 representing NM_130746
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTGTGGCGAGCACTGCGGCTCCCTCTATACAACCTCAGACACCAACCGGGTTATTTCCACCTTTT
 CTGTTGTGGACTATGTGGTGTGGGCTGTTGCTGGTTCTCTCCCTTGTCATTGGGCTCTATCATGCTTG
 CCGAGGCTGGGGCCGCCATACTGTTGGTGGAGCTGCTGATGGCAGACCGAAAAATGGGCTGCCTTCTGTG
 GCACTGTCCTTGTGGCCACCTCCAGTCAGCCGTGGCGATCCTTGGGGACCAGCTGAGATCTACCGAT
 TTGGAACCCAGTATTGGTTCCTGGGGTCTCTACTTCTGGGGCTTCTGATCCCTGCTCACATCTTCAT
 CCCTGTCTTCTACCGCTGCATCTTACCAGCGCTATGAGTACCTAGAGCTCCGCTTCAATAAAGCAGTC
 CGGATCTGTGGGACTGTGACCTTCATCTTTCAGATGGTGGTCTACATGGGAGTGGCTCTCTATGCACCGT
 CCCTGGCCCTCAATGCAGTGACTGGATTTGATCTATGGCTGTGAGTCCCTGGCCCTAGGAATTGTCTGCAA
 CATCTACACTGCACTGGGTGGGCTGAAGCTGTCTGACAGATGTGTTCCAAACGTTGATCATGTTT
 CTAGGGCAGCTGGTGGTTATCATTGTAGGAGCGCCAAAGTGGGCGGCTTGGGGCATGTATGGGCTGTGG
 CTTCCCAGCATGGCCTCATCTCTGGGATTGAGCTGGATCCTGACCCCTTGTACGTCATACTTTCTGGAC
 TTTGGCCTTTGGCGCGCTTTCATGATGCTCTCCTTATATGGAGTGAATCAGGCTCAGGTGCAGCGCTAC
 CTCAGTCCCCTCAGAGAAGGCTGCTGTGCTCTCCTGCTATGCAGTGTCCCTTGGCAGCAAGTGGCC
 TCTGCATGAGCTGCCTCATTGGTCTGGTTCATGTTTGCCTATTATAAGAAATATAGTATGAGCCCCAACA
 AGAGCAAGCAGCCCTGACCAGTTAGTCTCTATTTGTGATGGACCTCCTGAAAGACATGCCAGGGCTG
 CCCGGGCTTTCGTTGCTTGCCTCTTTCAGTGGATCTCTCAGCACCATATCCTCCGCATTCATTCAGTGG
 CCACTGTCACAATGGAAGACCTGATCCAGCCCTGGTCCCTCAGTTGACTGAAACCCGGGCCATCATGCT
 CTCTCGAAGCCTTGCCTTTGCCTATGGGCTAGTTTGCCTGGGAATGGCCTATGTTTCTCTCATCTGGGA
 TCAGTGTCCAGGCAGCACTCAGCATCTTGGCATGGTTGGAGGGCCACTGCTGGGACTCTTCTGCCTTG
 GGATGTTCTTCCGTGTGCCAACCTCTTGGTGCATTGTAGGCTGTTGACGGGACTCACCATGGCCTT
 CTGGATTGGCATTGGGAGCATAGTAAGCAGGATGAGTTCTGCTGCAGCATCCCCTCCCCTAATGGATCC
 AGCTCCTTCTGCCAGCAATCTAACTGTGCCACTGTGACCACCCTGATGCCTTCTACCCTGTCCAAGC
 CCACAGGACTGCAGCAGTCTATTCCTGTCCTATTTATGGTACAGTGCCACAACCTCCACCACAGTCAT
 TGCAGTGGCCTGATTGTGAGTCTGCTCACTGGGGGAATGCGGGGCGGTCCTGAACCTGGCACCATT
 TACCCTGTGTTGCCAAAGCTCCTTGCACTCCTGCCCTTATCCTGCCAGAAGCGGCTTTGCTGGAGAAGCC
 ACAACCAGGATATCCCTGTGGTACCAACCTGTTTCCAGAGAAGATGGGGAACGGAGCGCTGCAGGACAG
 CAGAGACAAAGAGAGGATGGCTGAAGATGGCCTTGTCCATCAGCCATGCAGCCCCACCTACATTGTCCAA
 GAGACGTCCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_130746
- Insert Size:** 1905 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_130746.1](#), [NP_570102.1](#)

RefSeq Size: 3091 bp

RefSeq ORF: 1905 bp

Locus ID: 170551

UniProt ID: [O70247](#)

Cytogenetics: 6q14

Gene Summary: mediates sodium-dependent transport of pantothenate, biotin, and lipoate; plays a role in intestinal uptake of biotin and in transplacental vitamin transport [RGD, Feb 2006]