

Product datasheet for **RN214450**

Slc5a3 (NM_053715) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc5a3 (NM_053715) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc5a3
Synonyms:	Smit
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214450 representing NM_053715
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGGGCTGTGCTGGAGACAGCAGACATTGCCATAGTGGCCCTGTATTTTGTCTGGTGCATGTGCATTG
 GTTCTTTTGGCCATGTGGAAATCTAATAGAAGCACTGTGAGTGGATACTTCTGGCCGGCCGCTCTATGAC
 CTGGGTGGCCATTGGTGCCTCTCTGTTTGTGAGCAATATTGGGAGTGAACACTTCATTGGGCTGGCAGGA
 TCTGGAGCAGCCAGTGGATTTGCAGTGGGCGCATGGGAGTTCAATGCCTTGCTGCTCTTGAACCTCTGG
 GATGGGTTTTATCCCTATTTACATCCGCTCAGGGGTGTACACCATGCCTGAATATTTGTCCAAGAGGTT
 CGGTGGCCATAGGATTCAGGTCTATTTTGCAGCTTGTCCCTGCTCCTCTATATCTTACCAAGCTCTCG
 GTGGATCTGTACTCAGGGCCCTCTTTATCCAGGAGTCCCTGGGTGGAACCTTTATGTGCTGTGCATCC
 TGCTCATTGGCATGACTGCTCTGCTGACCGTCACTGGAGGCCCTGTTGCAGTGATCTACACAGACACTCT
 CCAGGCTCTGCTCATGATCATTGGGCACTGACACTTATGGTTATTAGCATGATGAAGGTTGGAGGGTTT
 GAGGAAGTTAAGAGAAGGTACATGTTGGCTCACCAATGTTGCTTCCATTTTGTGACACACAACCTTT
 CCAACACAAATCTTGTATGGTGCATCCTAAGGCAGATGCCCTAAAGATGTTGAGAGATCCAACAGATGA
 AGACGTCCCATGGCCTGGATTCTTCTGGGCAGACCCAGCCTCGGTATGGTACTGGTGTGCTGACCAA
 GTCATCGTGCAGAGGGTTCTAGCAGCAAAAACATTGCTCATGCCAAAGGTTCTACTCTGATGGCTGGCT
 TCTTGAAGCTCTACCAATGTTTATCATAGTCGTACCCGGAATGATTTCCAGGATACTGTTTGTGATGA
 TATAGCTTGCATCAACCCAGAACACTGCATGCAAGTGTGTGGAAGCAGAGCTGGGTGCTCCAATATTGCT
 TACCCACGCCCTGGTGTAGGATGGTTCCTGTCGGCCCTCGGGCCCTGATGATGGCAGTGATGATGCAG
 CTCTGATGAGCGACTTGGACTCCATCTTAACAGCGCCAGTACCATATTCACCCTCGATGTGTACAAGT
 TCTCCGCAACAATGCAAGCTCGCGGAACTGATGATTGTGGCAGGATATTTGTGGCTTTTATGGTTGTC
 ATCAGCATAGCATGGGTGCCAATTATTGTGGAGATGCAAGGAGGCCAAATGTACCTTTATATCCAGGAGG
 TGGCGGATTATCTGACCCTCCGGTGGCGGCCCTCTTCTTCTGGCAATTTTCTGGAAACGTTGCAATGA
 GCAAGGGGCTTTCTATGGTGGAAATGGCAGGTTTTGTTCTTGGAGCTATCCGTTTGATACTGGCTTTCACC
 TACCGTCTCTGAGTGTGACCAACCTGATAACAGGCCAGCTTCATCAAAGACATCCATTATATGTATG
 TGGCTACAGCATTATTTGGATCACAGGACTCATTACTGTAATTGTTAGTCTTCTCACACCCTCCAC
 GAAGGATCAGATTCGTACCACTACCTTTTGGTCAAAAAGACTGTGGTGACGAAGGAGAGTTGCTCTCAG
 AAAGACGAACCATATAAAATGCAAGAGAAGAGTATTCTGCGATGCAGTGAGAATAGTGAAGTCGTACGCC
 AACTATTTCCCAATGGGAAGTCTGAAGACAGCATTAAAGGGCTCCAACCTGAAGACGTTAATCTGCTGGT
 GACATGCCGAGAGGAGGGCAACCCAGTGGCTTCCATGGGTCAATCAGAAGCAGAAACACCAGTAGATGCT
 TATTCCAATGGGCAAGCAGCTCTCATGGGTGAGAGAGCGCGAGAGAAGGAAAACAGAAAGTAGAAGCCGGT
 ATTGGAAGTTCATAGACTGGTTTTGTGGCTTTAAAAGTAGAAGCCTGAGCAAGAGGAGCCTCAGAGACTC
 GATGGACGAGGAGGCCGTTTGTTCAGATGTTAGAGGAGACCCACGAGTCAGAGTGATCCTAAACATT
 GGACTTTTGTGCTGTGTTCCTCGGGATTTTCATGTTTGTATTTCTCCTTATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053715

Insert Size: 2157 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:	<ol style="list-style-type: none">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:	<u>NM_053715.2</u> , <u>NP_446167.2</u>
RefSeq Size:	2451 bp
RefSeq ORF:	2157 bp
Locus ID:	114507
Cytogenetics:	11q11
Gene Summary:	participate in osmoregulation in cells and tissues [RGD, Feb 2006]