

Product datasheet for **RN207386**

Slc8a3 (NM_078620) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc8a3 (NM_078620) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc8a3
Synonyms:	Ncx3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207386 representing NM_078620
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTGGTTACGGCTGCAGCCTCTCACCTCTGCCTTCTCCATTTTCGGCTGGTTACTTTTGTGCTCT
 TCCTGAATGGTCTTCGAGCAGAGGCTGGTACTTGAGGGATGTGCCAGTGCAGGACAGAACAATGAGTC
 CTGTTACAGGGTATCAGACTGCAAGGAGGGTGTATCTTGCCAATCTGGTATCCAGAGAACCCTTCCTT
 GGGGACAAGATTGCAAGGGTCAATTGTCTATTTTGTGGCCCTGATACATGTTTCTTGGAGTGTCTATCA
 TTGCTGACCGATTATGGCATCTATTGAAGTTATTACCTCCAAGAGAGGGAGGTGACAATCAAGAAGCC
 CAATGGAGAGACCAGCACAACTACAATTCGGGTATGGAATGAACTGTCTCCAACCTGACCTGATGGCC
 CTAGGCTCTTCTGCTCCGGAGATTCTCCTGTCTTAATTGAGGTGTGGTACGGGTTCAATTGCTGGTG
 ATTTGGGACCGTCTACCATTTGTCGGCAGTGCAGCCTTCAACATGTTTATCATCATCTTGGCATCTGTGCTA
 TGTGATCCAGATGGGGAGACTCGAAGATCAAGCACCTTCGAGTCTTCTTGTACGGCTGCTTGGAGC
 GTCTTTGCCTATATTTGGCTCTACATGATCCTGGCAGTCTTCTCCTGGTGTGGTCCAGGTTTGGGAA
 GCCTCCTTACTCTTCTTCTTCCAGTGTGTCTGCTGGCTTGGGTGGCAGATAAGCGACTGCTCTT
 CTACAAATACATGCACAAAAGATACCGCACAGATAAACACCGAGGAATTATCATTGAGACAGAGGGTGA
 CACCCTAAGGGCATTGAGATGGATGGGAAAATGATGAATTCTCACTTCTGGATGGGAACCTTATACCTT
 TGGAAAGAAAGGAGGTAGATGAATCTCGCAGGGAAATGATCCGAATCTTAAGGATCTGAAGCAAAAACA
 CCCAGAAAAGACTTAGATCAGCTGGTGGAGATGGCCAATTACTATGCTCTTCCACCAACAGAAGAGC
 CGTGCTTTCTACCGCATCAAGCCACCCGGATGATGACTGGTGCAGGCAATATACTTAAGAAACATGCAG
 CAGACAAAGCAAGAAGACCCGACATGAGTGCAGTGCATACTGATGAGCCTGAGGACTTTGCCTCGAA
 GGTCTTTTTTGACCCATGCTCTTACCAGTGCCTGGAGAAGTGTGGAGTGTCTCCTGACTGTGGTGGAG
 AAAGGGGAGATATATCCAAGACTATGTACGTGGACTACAAAACAGAGGACGGCTTGCCTGAGGGG
 CTGACTATGAGTTCACAGAAGGCACTGTGGTCTGAAGCCAGGAGAGACCCAGAAGGAGTCTCCGTGGG
 CATCATCGATGATGACATTTTTGAAGAGGATGAACACTTCTTCTGAGACTGAGCAATGTCCGTGTAGAA
 GAGGAGCAGCTGGAAGAGGGGATGACCCCGCCATCCTCAATAGTCTTCTTGGCAGGGCTGTCTGG
 CTTCCCTTGTGTGGCCACAGTAACCATCTTGGATGATGACCATGCAGGAATTTTCACTTTTGAATGTGA
 TACCATTATGTCAGTAAAAGTATTGGTGTATGGAAGTCAAGGTTTTGAGGACATCGGGTCCCGGGGC
 ACAGTCATCGTCCCTTTAGGACAGTAGAAGAACAGCCAAGGGTGGTGGTGGAGACTTTGAAGATACTT
 ATGGGGAGCTGGAGTTTAAAGATGATGAAACGGTGAAAACCATAAAGGTTAAAATAGTAGATGAGGAGGA
 GTACGAAAGGCAAGAGAATTTCTTCACTGCCCCTGGTGAACCGAAATGGATGGAACGTGGAATATACGG
 CTCTGTATCTCCAGAGGTGACAGACAGGAAGCTGACTATGGAGGAAGAGGAGGCCAAGAGAATAGCAG
 AGATGGGAAAGCCAGTATTGGGTGAACACCCTAACTAGAGGTCACTATTGAAGAGTCTATGAGTTCAA
 GAGTACAGTGGATAAACTGATCAAGAAGACAACTGGCATTGGTTGTGGGGACCCATTCTGGAGGGAC
 CAATTCATGGAAGCCATCACTGTTAGTGCAGCAGGAGATGAGGAGGAAGATGAATCTGGAGAGGAGAGGC
 TGCCATCATGCTTTGACTATGTCATGCACTTCTGACGGTCTTTTGAAGGTGCTTTGCTGTGTGCC
 CCCACAGAGTACTGCCATGGCTGGCCCTGCTTCTGGTCTCCATCCTCATCATCGGCATGCTCACCGCC
 ATCATCGGGACCTGGCCTCTCACTTCGGCTGCACCATCGGGCTCAAGGATTCGGTACACAGCTGTTGTTT
 TTGTGGCATTTCGGCACCTCTGTGCCAGATACATTTGCCAGCAAAGCTGCTGCCCTGCAGGATGTGTATGC
 AGATGCTTCTATTGGCAATGTCACCGGCAGTAATGCTGTCAATGTCTTCTGGGATTGGTTGGCCTGG
 TCCGTGCGCCCATCTACTGGGCCATGCAGGGACAGGAGTTCCATGTGTCCGCTGGTACTCTGGCCTTCT
 CGGTCACTCTTTTACCATCTTTGCATTTGTCTGCCTCAGTGTGCTTTGTACCGTGGCGGCCACCT
 GGGCGGGAGCTTGGAGTCTCGTGGCTGCAAGCTTGCACAACGTGGCTTTTGTGAGCCTGTGGCTC
 CTCTACGTACTCTTTGCCACGCTGGAGGCTACTGCTACATCAAGGGTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_078620
Insert Size:	2784 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:	NM_078620.2 , NP_511175.1
RefSeq Size:	4749 bp
RefSeq ORF:	2784 bp
Locus ID:	140448
UniProt ID:	P70549
Cytogenetics:	6q24
Gene Summary:	isoform 3 of the integral membrane sodium/calcium exchanger proteins; maintains intracellular calcium homeostasis [RGD, Feb 2006]