

Product datasheet for **RC219110**

SLC8A3 (NM_182936) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC8A3 (NM_182936) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC8A3
Synonyms:	NCX3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219110 representing NM_182936 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAAGAAGAGGAGGCCAAGAGGATAGCAGAGATGGGAAAGCCAGTATTGGGTGAACACCCAACTAG
AAGTCATCATTGAAGAGTCCTATGAGTTCAAGACTACGGTGGACAACTGATCAAGAAGACAACTGGC
CTTGGTTGTGGGACCCATTCTGGAGGGACCAGTTTCATGGAGGCCATCACCGTCAGTGCAGCAGGGGAT
GAGGATGAGGATGAATCCGGGGAGGAGAGGCTGCCCTCCTGCTTTGACTACGTCATGCATTCCTGACTG
TCTTCTGGAAGGTGCTGTTTGCCTGTGTGCCCCACAGAGTACTGCCACGGCTGGCCTGCTTCGCCGT
CTCCATCCTCATATTGGCATGCTCACCGCCATCATTGGGGACCTGGCCTCGCACTTCGGCTGCACCATT
GGTCTCAAAGATTCAGTCACAGCTGTTGTTTTCTGTCGATTTGGCACCTCTGTCCAGATACGTTTGCCA
GCAAAGCTGCTGCCCTCCAGGATGTATATGCAGACGCCTCCATTGGCAACGTGACGGGCAGCAACGCCGT
CAATGTCTTCTGGGCATCGGCCCTGGCCTGGTCCGTGGCCGCATCTACTGGGCTCTGCAGGGACAGGAG
TTCCACGTGTGGCCGGCACACTGGCCTTCTCCGTACCCTCTTACCATCTTTGCATTTGTCTGCATCA
GCGTGCTCTTGTACCGAAGGCGGCCACCTGGGAGGGGAGCTTGGTGGCCCGCTGGCTGCAAGCTCGC
CACAAATGGCTCTTTGTGAGCCTGTGGCTCCTCTACATACTCTTTGCCACACTAGAGGCCTATTGCTAC
ATCAAGGGGTTCC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_182936.3](#)

RefSeq Size: 2845 bp

RefSeq ORF: 855 bp

Locus ID: 6547

UniProt ID: [P57103](#)

Cytogenetics: 14q24.2

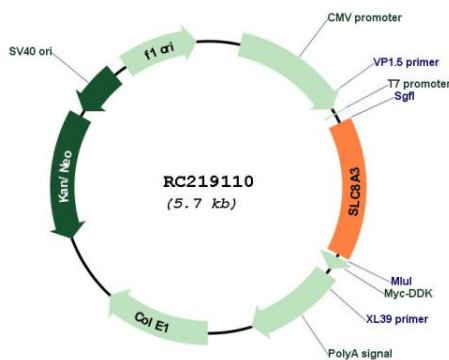
Protein Families: Transmembrane

Protein Pathways: Calcium signaling pathway

MW: 31 kDa

Gene Summary: This gene encodes a member of the sodium/calcium exchanger integral membrane protein family. Na⁺/Ca²⁺ exchange proteins are involved in maintaining Ca²⁺ homeostasis in a wide variety of cell types. The protein is regulated by intracellular calcium ions and is found in both the plasma membrane and intracellular organellar membranes, where exchange of Na⁺ for Ca²⁺ occurs in an electrogenic manner. Alternative splicing has been observed for this gene and multiple variants have been described. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RC219110