

Product datasheet for **RN210277**

Canx (NM_172008) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Canx (NM_172008) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Canx
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210277 representing NM_172008
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGGGAAGTGGTTACTGTGTTGCTACTGGTCTTGAAGTGCAGCTATTCAGGCTCATGATGGAC
 ATGATGATGACATGATTGATATTGAAGATGATCTTGATGATGTTATCGAAGAGGTAGAAGATTCAAATC
 TAAATCAGATACCAGCACTCCTCCATCTCCAAAGTCCACCTACAAGCTCCAGTTCACACAGGGGAGGTT
 TATTTGCTGACTCCTTTGACAGAGGCTCTGTGAGGGTGGATTTTATCTAAAGCCAAAAAGACGACA
 CTGATGATGAAATTGCCAAATAGACGAAAGTGGGAGGTAGATGAAATGAAGGAAACAAAGCTTCCAGG
 TGATAAAGGACTTGATTGATGTCTCGGGCCAAGCATCATGCCATCTCTGCTAACTGAACAAGCCCTTC
 CTGTTTGATACCAAGCCTCTCATTGTTCCAGTATGAGGTTAACTTTCAGAATGGAATAGAATGCGGTGGT
 CCTACGTGAAGCTGCTATCCAAGACCTCAGAACTCAACCTGGATCAATCCACGACAAGACTCCGTATAC
 TATTATGTTTGGTCCAGATAAATGTGGAGAGGACTACAACTGCATTTTCATCTTTTCGCCAAAAACCCC
 AAGACAGGTGTATATGAAGAAAAACATGCTAAGAGGCCAGATGCAGATCTGAAGACCTATTTCACTGACA
 AGAAAAACACATCTTTACACATTAATCTTGAATCCAGACAATAGTTTTGAAATATTAGTTGACCAGTCTGT
 TGTGAACAGTGGAAACCTGCTAAATGACATGACCCCTCCGGTAAACCTTCACGTGAAATTGAGGACCCA
 GAAGACCGGAAGCCTGAAGATTGGGATGAAAGGCCCAAAATAGCAGATCCAGATGCTGTCAAGCCAGATG
 ACTGGGATGAAGATGCCCTTCTAAGATTCCAGATGAAGAGGCCCAAAGCCTGAAGGCTGGTTAGATGA
 TGAACCCGAGTATATCCAGACCCTGATGCAGAGAAACCAGAAGATTGGGATGAGGATATGGACGGAGAA
 TGGGAGGCTCCTCAGATTGCCAACCTAAGTGTGAGTCCGCCCTGGGTGTGGTGTCTGGCAGCGACCTA
 TGATTGACAACCCCAATTATAAGGGCAAATGGAAGCCTCCTATGATTGACAATCCTAACTACCAGGGAAT
 CTGGAAAACCAAGGAAAAATACCAAATCCAGATTTCTTTGAAGACCTGGAACCTTTTAGGATGACTCCTTTC
 AGCGCTATTGGTTGGAGCTCTGGTCCATGACATCCGACATCTTTTTTGACAACCTTATCATTAGTGGTG
 ACCGAAGAGTAGTTGATGACTGGGCAATGATGGGTGGGGCTGAAGAAAGCTGCTGATGGGGCTGCAGA
 GCCAGGTGATGTTGGGCAGATGCTGGAGGCAGCTGAAGAGCGTCCATGGCTTTGGGTGGTCTACATTCTG
 ACTGTAGCGTTGCCAGTGTCTTGTGATCCTCTTCTGCTGTTCTGAAAAGAAACAGTCCAATGCTATGG
 AGTACAAGAAGACAGATGCTCCCAGCCAGATGTGAAGGACGAAGAAGGGAAGGAAGAAGAAGAACAA
 GGGAGATGAAGAGGAAGAAGAGGAGAAGCTTGAAGAGAAACAGAAGAGTGTGCTGAAGAAGATGGTGGC
 ACTGGCAGTCAAGATGAGGAAGTAGCAAGCCTAAAGCAGAGGAGGATGAAATTTTGAACAGATCACCAA
 GAAACAGAAAGCCACGAAGAGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_172008
- Insert Size:** 1776 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_172008.2](#), [NP_742005.1](#)

RefSeq Size: 4986 bp

RefSeq ORF: 1776 bp

Locus ID: 29144

UniProt ID: [P35565](#)

Cytogenetics: 10q22

Gene Summary: calcium-binding protein that may serve to chaperone proteins from the ER to outer cellular membrane [RGD, Feb 2006]