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Product datasheet for MC219376

Canx (NM_007597) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Canx (NM_007597) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Canx
Synonyms:	1110069N15Rik; AI988026; Cnx; D11Ertd153e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF: >NCBI ORF sequence for NM_007597, the custom clone sequence may differ by one or more nucleotides

ATGGAAGGGAAGTGGTTACTGTGTTTGCTGCTGGTCCTTGGAACTGCAGCTGTTGAGGCTCATGATGGAC
ATGATGATGACGCGATTGATATTGAAGATGATCTTGATGATGTTATTGAAGAGGTAGAAGATTCAAAATC
TAAATCAGATGCCAGCACTCCTCCATCTCCAAAGGTCACCTACAAAGCTCCAGTTCCAACAGGGGAGGTT
TATTTTGCTGACTCCTTTGACAGAGGGTCTCTGTCAGGGTGGATTTTATCTAAAGCCCAAAAAGATGACA
CTGATGATGAAATTGCCAAATATGATGGAAAGTGGGAAGTAGATGAGATGAAGGAAACAAAGCTTCCAGG
GGATAAAGGACTTGTACTGATGTCTCGGGCCAAGCATCATGCCATCTCTGCTAAACTGAATAAGCCCTTC
CTGTTTGATACCAAGCCTCTCATTGTTCAGTATGAGGTTAATTTTCAGAATGGAATAGAATGTGGTGGTG
CCTATGTGAAGCTGCTTTCCAAGACGGCAGAGCTCAGCCTGGATCAATTCCACGACAAGACTCCCTATAC
TATTATGTTTGGTCCAGATAAGTGTGGAGAGGACTACAAACTGCATTTCATCTTTCGACACAAAAATCCC
AAGACAGGTGTATATGAAGAAAAACATGCTAAGAGGCCAGATGCAGATCTGAAGACCTATTTCACTGACA
AGAAAACGCATCTTTATACATTAATCTTGAATCCAGACAATAGTTTTGAAATATTAGTTGACCAGTCTGT
TGTGAACAGTGGAAATCTGCTAAATGACATGACTCCTCCTGTAAACCCTTCACGTGAAATTGAAGACCCA
GAAGACCGGAAGCCTGAAGATTGGGATGAAAGGCCCAAAATAGCAGATCCAGATGCTGTCAAGCCAGATG
ACTGGGATGAAGACGCCCCTTCTAAGATCCCAGATGAAGAGGCCACCAAGCCTGAAGGCTGGCTAGACGA
CGAACCTGAGTATATTCCAGACCCTGATGCAGAGAAGCCAGAGGATTGGGATGAGGATATGGACGGAGAA
TGGGAGGCTCCTCAGATTGCCAACCCCAAGTGTGAGTCAGCCCCTGGGTGTGGTGTCTGGCAGCGACCTA
TGATTGACAACCCCAATTATAAGGGCAAATGGAAGCCTCCAATGATTGACAACCCTAACTACCAGGGAAT
CTGGAAACCAAGGAAAATACCAAATCCAGATTTCTTTGAAGACCTAGAACCTTTTAAGATGACTCCTTTC
AGTGCTATTGGTTTGGAGCTCTGGTCCATGACATCCGACATCTTTTTTGACAACTTTATCATTAGTGGTG
ACCGAAGAGTAGTTGATGATTGGGCCAATGATGGGTGGGGCCTGAAGAAAGCTGCTGATGGGGCTGCTGA
GCCAGGTGTAGTGCTGCAGATGCTGGAGGCAGCTGAAGAGCGTCCATGGCTTTGGGTGGTCTACATTTTG
ACTGTAGCTTTGCCAGTGTTCCTTGTGATCCTCTTCTGCTGTTCTGGAAAGAAACAGTCCAATGCTATGG
AGTACAAGAAGACGGATGCTCCCCAGCCAGATGTGAAGGATGAAGAAGGGAAGGAAGAAGAGAAGAACAA
GAGGGATGAAGAGGAAGAAGAGGAGAAGCTTGAAGAGAAACAGAAGAGTGATGCTGAAGAAGATGGTGTT
ACTGGCAGTCAAGATGAGGAAGATAGCAAGCCTAAAGCAGAGGAGGATGAAATTTTGAACAGATCGCCAA
GAAACAGAAAGCCACGAAGAGAGTGA

Restriction Sites: SgfI-MluI

ACCN: NM_007597

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:	BC012408, AAH12408
RefSeq Size:	3739 bp
RefSeq ORF:	1776 bp
Locus ID:	12330
UniProt ID:	P35564
Cytogenetics:	11 30.46 cM
Gene Summary:	Calcium-binding protein that interacts with newly synthesized glycoproteins in the endoplasmic reticulum. It may act in assisting protein assembly and/or in the retention within the ER of unassembled protein subunits. It seems to play a major role in the quality control apparatus of the ER by the retention of incorrectly folded proteins. Associated with partial T-cell antigen receptor complexes that escape the ER of immature thymocytes, it may function as a signaling complex regulating thymocyte maturation. Additionally it may play a role in receptor-mediated endocytosis at the synapse.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.