

Product datasheet for MR222903

Cacna2d3 (NM_009785) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cacna2d3 (NM_009785) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cacna2d3
Synonyms:	alapha2delta3; Cacnad3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222903 representing NM_009785 Red=Cloning site Blue=ORF Green=Tags(s)

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ATGGCCGGGCGGGCTCGCTGTGCTGCGCGTCCCAGGGGGCCTCGGCGCTCCTAGCCACCGCGTCTCTCT
ACGCCGCTCTGGGGGACGTGGTGCCTCCGAGCAGCAGATCCCGCTCTCCGTAGTGAAGCTGTGGGCCTC
CGCTTTTGGTGGGAGATAAAATCCATCGCTGCCAAGTACTCGGGCTCCAGCTTCTGCAAAGAAATAC
AAAGATATGAGAAGGACGTTGCCATTGAAGAAATCGACGGTCTCCAACGGTGAAGAAGTTGGCTAAAA
TCATGGAGGAGATGTTCCACAAGAAGTCCGAGGCAGTGAGCGCTTGTGGAGGCTGCAGAGGAGGCACA
CCTGAAACATGAATTTGATGCTGACTTGCAGTATGAATACTTCAATGCTGTGCTGATCAACGAGAGGGAC
AAAGACGGGAACTTTTGGAATTGGGAAAGGAATTCATCTTAGCCCCAATGACCATTTAATAATTTGC
CTGTGAACATCAGTCTGAGTGTGTGCAAGTGCCAACGAACATGTACAACAAAGATCCTGCCATTGTCAA
TGGAGTGTATTGGTCTGAATCTCTAAACAAAGTTTTTGTGGATAACTTTGATCGGGATCCGTCTCTCATA
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TGTCATTTTGGTGGACGTCAGTGGGAGCATGAAAGGACTCCGCTTGACCATCGCCAAGCAAACAGTGTCC
TCAATACTGGATACTCTGGGTGATGATGACTTCTTCAACATCATCAGTATAACGAAGAGCTTCACTATG
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GGACAACTTTTTGCAAAGGGATTGGAATGCTGGATATCGCACTGAACGAGGCCTTCAACATACTGAGC
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AGGTCAAAGGGCATTCTTCTGGGTGTGGTTGGCACAGATGTCCCAGTTAAAGAGCTTCTGAAGACCATCC
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Protein Sequence:

>MR222903 representing NM_009785
 Red=Cloning site Green=Tags(s)

MAGPGSLCCASRGASALLATALLYAALGDVVRSEQQIPLSVVKLWASAFGGEIKSIAAKYSGSQLLKQKY
 KEYEKDVAIEEIDGLQLVKKLAKIMEEMFHKKSEAVRRLVEAAEEAHLKHEFDADLQYEFNAVLINERD
 KDGNFLELGKEFILAPNDHFNNLPVNIISLSDVQVPTNMYNKDPAIVNGVYWSESLNKVFDNFDPRPSLI
 WQYFGSAKGFRRQYPGIKWEPDENGVIADFRCNRKWIQAATSPKDVVILVDVSGSMKGLRLTIKQTVS
 SILDTLGGDDFFNIITYNEELHYVEPLNGTLVQADRTNKEHFREHLDKLFAKIGMLDIALNEAFNILS
 DFNHTGQGSICQAIMLITDGAVDTYDTIFAKYNWPDRKVRIFTYLI GREAAFADNLKWMACANKGFFTQ
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 RSKGILLGVVGTDPVKELLKTI PKYKLG IHGYAFAITNNGYILTHELRLPYEEGKRRRKNPYSSVDLS
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 SAPIEAYWTSALNKSSENDSKGEVAVFLGTRTGLSRINL FVGAEQLTNQDFL KAGDKENIFNADHFLWY
 RRAAEQIAGSFVYSIPFSTGT VNKSNVVTASTSIQLLDERKSPVVAAVGIQMKLEFFQRKFWTASRQCAS
 LDGKCSISCDDETVNICYLIDNNGFILVSEDTYQTGDFGEVEGAVMNKLLTMSGFKRITLYDYQAMCRAN
 KESSDSAHGLLDPYKAFLSAAKWIMTELVLFLVEFNLCSSWHSMDTAKAQKLLKQTLPECDTEYPAFVSR
 TIKETTGNIACEDCSKSFVIQQIPSSNLFMVVVDSSCLCESVAPITMAPTEIRYNESLK CERLKAQKIRR
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9040_h05.zip

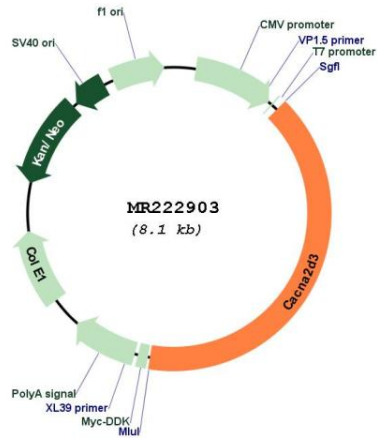
UniProt ID: [Q9Z1L5](#)

Cytogenetics: 14 A3

MW: 123.2 kDa

Gene Summary: The alpha-2/delta subunit of voltage-dependent calcium channels regulates calcium current density and activation/inactivation kinetics of the calcium channel. Acts as a regulatory subunit for P/Q-type calcium channel (CACNA1A), N-type (CACNA1B), L-type (CACNA1C OR CACNA1D) but not T-type (CACNA1G).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222903