

Product datasheet for **RR206248**

Cacng6 (NM_080694) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cacng6 (NM_080694) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cacng6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206248 representing NM_080694 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGTGGTCTAACTTCTTCATGCAAGAGGAAGACCGTCGTCGGACGGCTGTGGCCGGCGTCGTGCC
AAGAACAGCAGAATCTCGGCTTGACTCCGGAGCGAGAGGGCAAGATCAAGCTGGGTTGCTGGTGGCTAT
CGTGGGTGCCACTCTGGCTGTGCTAGCTGTGGCACCAGTTCTGGGTGGAACAATACATACAAGACC
AACGGCAGCGCCGCTGTGAGGCCGCCATTTGGGGCTGTGGAAGGTGTGCATCAAGCGACTGTGGCAGG
CGGATGTACCCGCGGGCAGGGAGACCTGTGGCCAGCTGAGCTGCCAGGAGAAGCAAACCTGCACCTACTT
CAAGTTCTTACCACGGGGAAAAATGCGCACATCTTCCAGAGAACCACCAAGAAAGAGGTAACCTGGCA
GCTGCTGTGATAGCTGTGCTGGCCTGACAGCCATGGCCTTGGGCTGCCTCTGTGTATCATGGTGTCA
GTAAAGGTGCAGAGTTCCTGCTCCGCTTGGGAGCTGTCTGCTTTGGCCTCTCAGGCCTGCTGCTTTGT
CAGCCTGGAGGTGTTCCGGCATTCCGTGAGGCCCTGCTGCAGGGGGTCAACCCTGAGACCCCTCCAGCT
CCACGCCTGGCCTATGAGTATTCCTGGTCCCTAGGCTGTGGTGTGGCGCTGGTCTAATCCTGCTGCTGG
GGGAGTCTGTTTCTCCTGCTCACCTGCCTTCTGGCCCTGGAGGTCAGTGTGCCCAAGCGGGGTGG
CCCAACTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206248 representing NM_080694
Red=Cloning site Green=Tags(s)

MMWSNFFMQEEDRRRTAVGRRRAQEQQNLGLTPEREGKIKLGLLVAIVGATLAVLAVGTEFWVELNTYKT
 NGSAVCEAAHLGLWKVCIKRLWQADVPAGRETCPGAELPGEANCTYFKFFTTGENAHIFQRTTKKEVNLA
 AAVIAVLGLTAMALGCLCVIMVLSKGAFLRLRGAVCFGLSGLLLFVSLEVFRHSVRALLQGVNPETPPA
 PRLAYEYSWSLGGVGVAGLILLGGVCFLLLTLPSPWRSLCPKRGGPTA

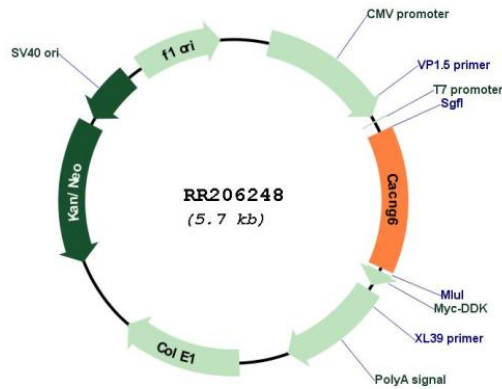
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_080694

ORF Size: 780 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_080694.1 , NP_542425.1
RefSeq Size:	783 bp
RefSeq ORF:	783 bp
Locus ID:	140727
UniProt ID:	Q8VHW7
Cytogenetics:	1q12
MW:	28.3 kDa
Gene Summary:	member of a family of gamma subunits of voltage-dependent calcium channels [RGD, Feb 2006]