

Product datasheet for **RR202466**

Capn6 (NM_031808) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capn6 (NM_031808) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Capn6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

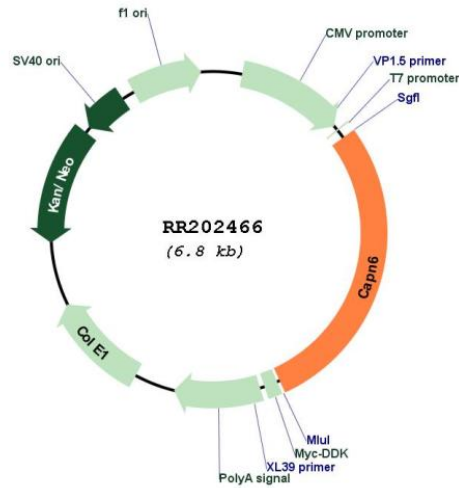
>RR202466 representing NM_031808
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGTCCTCCTCTGAAGCTCTTCAAAAACCAGAAGTACCAAGAACTGAAGCAAGACTGCATGAAGGATG
GCCGACTTTTCTGTGACCTACCTTCTACCGGAGAATGATTCTCTGTTTTTCAACCGGCTGCTCCAGG
AAAGGTTGTGTGAAACGTCCTCAGGACATTTCTGATGACCCCATCTGATTGTGGGCAACATTAGCAAC
CACCAGCTGATCCAGGGAAGACTGGGGAACAAGGCAATGATTTCTGCATTTTCTGTTTGGCTGTTCCAGG
AGTCACACTGGACAAAGGCGATTCCCAACCATAAGGAACAGGAATGGGATCCTCGAAAGCCAGAAAAATA
TGCTGGAATCTTTCGTTCCGTTTCTGGCATTGTTGGAGAATGGACTGAGGTGGTATTGACGACTTGCTT
CCCACCATCAATGGAGATCTGGTCTTCTCATTCTCCACCTCCATGAATGAGTTTTGGAATGCTCTACTGG
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GGACTTACGGGCACATTGGCTGAAATCATTGACATGCAGAAAGGACGCTACACCGATCTTGTGAGGAG
AAGTACAAGCTGTTTGGAGAAGTACAAAACGTTACCAAAAGGAGGTCTAATTTCTGCTCCATTGAGT
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TGATATTCGCAAGCTCCGTCTTGGAGAAAGACTTGTGGAAGTCTTCAAGTACGGAGAAGCTGTATATGGTT
CGCCTAAGGAATCCATTGGGAAGACAAGAATGGAGCGGCCCTGGAGTGAATTTTCGGAAGAGTGGCAGC
AACTGACTGTAACCGATCGCAAGAACCTGGGGCTTGTATGTCTGATGATGGAGAATTTTGGATGAGTCT
GGAAGATTTTGGCACAACCTTTCACAACTGAATGTCTGCCGCAATGTGAATAACCCTGTTTTCGGTCCG
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GGTCATCATGTCACTGCAGCAGAAGGATCTACGCACTTACCGCCGAATGGGAAGACCTGACAATTACATC
ATTGTTTTGAGCTCTTCAAGGTGGAGATGAACCGAAGATTCCGCCTTCACTACCTGTATATTCAGGAGC
GAGCTGGAACCTCCACCTATATCGACACCCGTACCGTGTCTTCTGAGCAAGTATCTGAAGAAGGGCAACTA
TGTTCTTGTTCAACTATGTTCCAGCATGGCCGTACCAGCGAATTTCTACTGAGGATCTTCTCGGAAGTG
CCTGTCCAGCTCAGGGAAGTACATTGGACATGCCAAGATGTCTTGTGGAACCTGGCACGTGGCTACC
CAAAGGTGGTTACCCAGATCACTGTCCACAGTCCGAGGGCTGGAGAAGAAGTATGCCAATGAACTGT
AAATCCATATCTGACCATCAAATGTGGAAGGAAGAAGTCCGTTCTCCTGTCCAGAAGAACCCTGCAT
GCCATTTTGGACCCAGGCCATTTTCTACCGAAGGACCCTGACATTCCTATTATCATCCAGGTCTGGA
ATAGCAGAAAATTCTGTGATCAGTTCCTGGGGCAGGTTACTCTGGATGCTGACCCAGTACTGCGGTGA
TCTGAAATCTCTGTATCTGCGTAAGAAGGTGGTCCCACGGCCAAAGTCAAGCAAGGCCACATCAGTTTC
AAAGTTATCTCTAGCGATGATCTCACTGAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:



ACCN: NM_031808

ORF Size: 1923 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:

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_031808.1](#), [NP_113996.1](#)

RefSeq Size: 3498 bp

RefSeq ORF: 1926 bp

Locus ID: 83685

UniProt ID: [O88501](#)

Cytogenetics: Xq33

MW: 74.6 kDa

Gene Summary: human and mouse homologs lack the calmodulin-like domain present in other members of the calpain family of calcium-dependent, cysteine proteases and may be proteolytically inactive [RGD, Feb 2006]