

Product datasheet for **MC219968**

Capn6 (NM_007603) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capn6 (NM_007603) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Capn6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219968 representing NM_007603
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTCCTCTCTGAAGCTCTTCAAAAACCAGAAGTACCAAGAACTGAAGCAGGAGTGCATGAAGGATG
 GCCGCCTTTCTGTGACCCAACCTTCTACCGGAGAATGATTCTCTGTTTTCAACCGGCTGCTTCTGG
 GAAGGTGGTGTGAAGCGTCCACAGGACATTTCTGATGACCCCACTGATTGTGGGCAACATCAGCAAC
 CACCAGCTGATCCAGGGCAGATTGGGAACAAGGCAATGATCTCTGCATTTCTGTTTGGCTGTTTCAGG
 AGTCACACTGGACAAAGGCAATCCCAACCACAAGGATCAGGAATGGGATCCTCGAAAGCCAGAGAAATA
 CGCTGGAATCTTCACTTCCGCTTCTGGCATTGGAGAATGGACCGAGGTGGTATTGATGACTTGCTT
 CCCACCATCAACGGAGATCTGGTCTTCTCATTCTCCACCTCCATGAATGAGTTTTGGAATGCTCTACTGG
 AAAAAGCGTATGCAAAGCTGCTGGGCTGTTATGAGGCTTTGGATGGTCTGACCATCACTGATATCATCAT
 GGACTTCACTGGCACACTGGCTGAAATCATTGACATGCAGAAAGGACGATACACTGATCTTGTGGAGGAG
 AAGTACAAGCTGTTTGGAGAAGTACAAAACGTTACCAAAAGGAGGTCTAATTTGCTGCTCCATTGAGT
 CTCCCAGCCAGGAGGAACAAGAAGTTGAAACAGACTGGGGACTACTGAAGGGTTATACCTACACCATGAC
 TGATATTCGCAAGCTCCGTCTCGGAGAAAGACTTGTGGAAGTCTTCACTACTGAGAAGCTGATATGGTT
 CGCCTAAGGAACCCATTGGGAAGACAGGAATGGAGTGGCCCTGGAGTGAATTTTCAGAGGAGTGGCAGC
 AACTGACTGTAACAGATCGCAAGAACCTAGGACTTGTATGTCTGATGATGGAGAATTTTGGATGAGTCT
 GGAAGATTTTGGCACAACCTTTCACAACTGAATGTCTGCCGCAATGTGAATAATCTGTTTTTGGCCGC
 AAGGAGCTGGAATCAGTGGTGGGATGTTGGACTGTGGATGATGACCTCTGATGAACCGATCAGGAGGTT
 GCTATAACAACCGTGATACCTTCTGCAGAATCCTCAGTACATTTTCACTGTGCCCGAGGATGGCCATAA
 AGTCATCATGTCACTGCAACAGAAGGACCTACGCACTTACCGCCGAATGGGAAGACCTGATAATTACATC
 ATTGGTTTTGAGCTCTTCAAGGTGGAGATGAACCGAAGGTTCCGTCTTACCATCTGTATATTCAGGAGC
 GTGCTGGGACTTCCACTTATATCGACACCCGACTGTGTTTCTGAGCAAGTATCTGAAGAAGGGCAGCTA
 CGTGCTTGTTCCAACCATGTTCCAACATGGCCGTACCAGTGAATTTCTGCTGAGGATCTTCTCTGAAGTG
 CCCGTCCAGCTCAGGGAAGTACCTTGGACATGCCAAGATGTCTTGTGGAACCTGGCAGCTGGCTACC
 CAAAGGTGTTTACCAGATCACTGTCCACAGTGTGAGGGCTGGAGAAGAAGTATGCCAATGAACTGT
 CAATCCATATCTGATCATCAAATGTGAAAGGAGGAAGTCCGTTCCCTGTCCAGAAGAATACTGTGCAT
 GCCATTTTGGACAGCAGGCCATTTTCTACAGAAGGACCCTGACATTCCTATTATCATCCAGGTGTGGA
 ACAGCAGAAAATCTGTGATCAGTTCCTGGGGCAGGTTACTCTCGATGCTGACCCAGCGACTGCCGTGA
 TCTGAAATCTCTGTACCTGCGTAAGAAGGGTGGTCTACTGCCAAAGTCAAGCAAGGTACATCAGCTTC
 AAAGTTATCTCTAGCGATGATCTCACTGAGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_007603

Insert Size: 1926 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_007603.3](#), [NP_031629.3](#)

RefSeq Size: 3579 bp

RefSeq ORF: 1926 bp

Locus ID: 12338

UniProt ID: [O35646](#)

Cytogenetics: X F2

Gene Summary: Microtubule-stabilizing protein that may be involved in the regulation of microtubule dynamics and cytoskeletal organization. May act as a regulator of RAC1 activity through interaction with ARHGEF2 to control lamellipodial formation and cell mobility. Does not seem to have protease activity as it has lost the active site residues.[UniProtKB/Swiss-Prot Function]