

## Product datasheet for **MR210215**

### Capn1 (NM\_007600) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Capn1 (NM_007600) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Capn1
Synonyms:	Capa-1; Capa1; mu-calpin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR210215 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGACAGAGGAGTTAATCACCCCTGTGTACTGCACCGGGGTGTCAGCCCAAGTACAGAAGAAGCGGGACA  
AGGAGCTGGGCTTGGGCCGCCATGAAAACGCCATCAAGTACCTGGGCCAGGATTATGAAAACGCTTCGGGC  
AAGATGCCTGCAGAGTGGGGTCTCTTCCAAGACGAGGCCTTCCCTCCGGTTTTCATAGCCTGGGCTTC  
AAGAACTGGGTCTCATTCTCTAAAACCTATGGCATCAAATGGAAGCGGCCTACGGAAGTATGTCAA  
ACCCCCAGTTCATCGTGGATGGAGCCACCCGGACAGACATCTGCCAGGGAGCACTGGGGACTGTTGGCT  
CCTGGCTGCCATTGCCTCCCTCACCTCAACGAGACTATTCTGCACCGAGTGGTTCCTACGGCCAGAGC  
TTTCAGGATGGCTACGCTGGCATCTTTCAATTCAGCTGTGGCAGTTCGGGGAGTGGGTCGACGTGGTCA  
TAGATGACTTGTGCCACCAAGGACGGGAAGCTGGTGTTCGTGCACTCTGCCAGGGCAACGAGTTCGTG  
GAGCGCACTGCTGGAGAAAGCCTATGCTAAAGTGAATGGCAGCTATGAGGCTCTTTCGGGAGGCTGCACC  
TCAGAGGCCTTCGAGGACTTTACCGGTGGGGTCACTGAGTGGTACGACCTGCAGAAGGCCCCAGCGACC  
TCTACCAGATCATTCTAAAGGCCCTGGAACGAGGCTCCTTGTGGGCTGTCCATTAATATCTCCGATAT  
CCGTGATTTAGAGGCTATTACTTTAAGAACCTGGTGAGGGGCCATGCGTACTCTGTGACGGGCGCCAAG  
CAGGTAACCTACCAGGGCCAGCGGGTGAACCTAATCCGGATGCGGAACCCCTGGGGTGAAGTGGAGTGGAA  
AAGGACCTGGAGTGACAGCTCCTATGAGTGGAAACAAAGTGGACCCCTATGAACGAGAGCAGCTGAGGGT  
CAAGATGGAGGATGGGGAGTTCGGATGTCGTTCCGAGACTTCATCCGTGAATTCACCAAAGTGGAAATC  
TGCAACCTTACACCGGACGCCCTAAGAGCAGGACCCCTCCGGAATTGGAATACCACATTTTACGAGGGCA  
CCTGGCGTGGGGAAGCACCGCTGGAGGCTGCAGGAACCTACCCAGTACCTTCTGGGTAACCCCAAGT  
CAAGATCCGGTTGGAGGAGGTGGATGACGACAGCAGACTATGACAACCGGGAGTCCGGCTGCAGTCTTGT  
CTGGCCCTCATGCAGAAACACCGCCGACGGGAGCGTTCGCTTTGGCCGGGACATGGAGACCATCGGTTTTG  
CAGTGTACCAGGTCCTCGGGAGCTGGCGGGTCAAGCTGTGCACTTGAAGCGTGAATTTCTTCTGGCCAA  
CGCTTCTCGGGCGCAGTCAGAGCACTTCATCAACCTTCGGGAAGTCAGCAACCGTATCCGCTGCCGCC  
GGGGAGTACATAGTGGTGCCTCCACCTTCGAGCCCAACAAGAAGGCGACTTCTGTGCGCTTCTTCT  
CAGAGAAGAAGGCTGGGACCCAGGAAGTATGACAGATCCAGGCCAACCTCCCTGATGAGAAAGTTC  
CTCTGAAGAGGAGATTGATGACAACCTCAAGACCTTGTTCAGCAAGTGGCAGGGGATGACATGGAGATC  
AGCGTCAAGGAGTACAGACCATCTTGAACAGGATCATTAGCAAACACAAGACCTGCGCACTAATGGCT  
TCAGCCTGGAGTCGTGCCGACGATGGTGAACCTCATGGATCGAGATGGCAACGGGAAGCTGGGTCTGGT  
GGAGTTCAACATCCTGTGGAACCGCATCCGAAATTACCTGACCATCTCCGGAAGTTTGACCTGGACAAG  
TCTGGCAGCATGAGTGCCTATGAGATGAGGATGGCCATCGAGGCTGCAGGCTTCAAGCTTAAACAAGAAGC  
TGCATGAACTCATAATCACCCGCTACTCGGAGCCCGACCTGGCCGTGGACTTTGACAACCTTGTGTGCTG  
TCTTGTGCGGCTGGAGACCATGTTCCGGTTTTTCAAACCTCTGGACACAGACCTGGATGGTGTGTGACC  
TTTGATCTATTTAAGTGGCTCCAGCTGACTATGTTTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**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\\_007600.2](#), [NP\\_031626.1](#)

**RefSeq Size:** 3119 bp

**RefSeq ORF:** 2142 bp

**Locus ID:** 12333

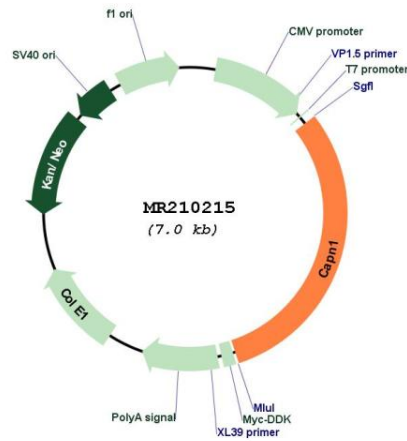
**UniProt ID:** [O35350](#)

**Cytogenetics:** 19 4.34 cM

**MW:** 82.1 kDa

**Gene Summary:** Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR210215