

## Product datasheet for **RN201453**

### Capn10 (NM\_031673) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Capn10 (NM_031673) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Capn10
Synonyms:	MGC93346
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN201453 representing NM\_031673  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCGGGCGGTCCGGGCCGAGACGCGGGCGGGAGCTCTCCGGGACGCCGATTCCCCGCTCGGACT  
 CCTCGCTCTTTACAACCTGTCCACGCCTTGCCCGAGTTTCGGGAGGACATCACTTGGAGACGGCCCA  
 GGACATTTGTGCCACACCTCAACTGTTTCCAGATAACCCATGGGAAGGACAGGTGAAGCAAGGGCTGCTG  
 GGGATTGCTGGTTCTGTGTGCCTGTGCCGCCCTCAGAAGAGTCGACACCTCTCGACCAGGTCTTCC  
 CTCCAGGACAGCCAGGCTGGTCTGACCAGGAATACCAAGGCTTCTCACCTGTGGATTTGGCAGTTTGG  
 AACTGGGAGGAAGTGACCATAGATGACCGTCTGCCTTGTCTTCCGGGAGACTCTGCTTTTCTCGATGC  
 CAGAGAGAGGATGTGTTCTGGCTTCCCTTACTGGAAAAGGCTACGCTAAGTTTCATGGATCCTATGAGC  
 ACCTGTGGGCAGGCAGGTGGCAGATGCCCTGGTGGATCTCACTGGCAGCCTGGCAGAGAGGTGGAGCCT  
 GAAGGACATAAGGAAAGCCAGCGGCCAGCAGGACAGCCAGTGGTGGAGAGCACAGAGCCTGTCAGCAG  
 CTACTCCGTCTCAAGGACCAAGTGTCTGCTCAGCTGCTCTGTGCTGAGCCCGAGAGCAGGTCTAGGGAGC  
 TCGGGGAGTTCCATGCCTTCATTATCTCAGATCTGCAGGAGCTCAGGAGTCAGACTGGTCAGGGTATCCT  
 CCTGCTGAGGATTCACAACCTTGGGGCCGGCTTGTGGCAGGGCCTTGGAGAGAAGGCGGTGAAGGG  
 TGGAAACAGGTAGAGCCAGCTAAGGAGTCTGAGCTGCTGGCACAACCTCCAGGAAGGAGAGTTCTGGGTAG  
 AGGAAGAGGAGTTCTCAGGGAGTTTGTAGAGTCAACATCGGCTACCCAGTCACAGAGGCCGGCCACCT  
 GCAAAGTCTCTACACAGAGAAGGTGCTGTGCCATACGCGGGCACTGCCTGGTGCCTGGGTGACAGGGCAA  
 TCAGCTGGAGGCTGCCGGAACAACAGTTGCTTCCCTGCAACCCCAAGTTCTGGTTACGGCTCTTGAAC  
 CCAGTGAGGTGTGTGGCTGTCTTCCAGAGACCCCGGAGGCGCTTAGTGGCCAGACCCGGGCACTGGC  
 GGGCGCCAGCCCTGCACCAAGTGAACCTCCAGGCAAGACTACCAGGCTGTGGCCCTGCACATCTGGAAG  
 GTAGAGAAACGGAAGATCAGCCTGCCAGAGTCTGTCTGCACCCCGGTGGCTGGCACTGCATGCCATG  
 CGTATGATCGTGAGATCCACTTGCCTTGTGAGCTCTCACCAGGCTACTACCTGGCTGTCCCTAGCACCTT  
 TTTGAAGGATGTGCCAGGGCAGTTCTGCTCCGAGTCTTCTCCACCGGAAAATCTCCCTCAGTGCCGTC  
 AGGCTGGCCACCAAGGGTGCATCACCTGGAGCAGCCCTGCCTGCAGGCGAGTGGGAGACTGTGCAGTTGC  
 AGGGCAGCTGGAGAGCTGGCCAGACAGCCGGGGCAGTAGAACTTTGCCTTTACCCTGCAATCCCTG  
 CCTCCCCTTCTGTTCCTGAGGGTGTGGTCCCCGCTACATCCGTATCACCTACAGCAACTGCCGG  
 CTCAGTGACAGCCAGCTCCACCCATTGGTTTCCATGTCTTTCAGGTTCCAGCAGACGGTAAAAACAGG  
 ATGCGTGTCCCTGCTGCTCCAGGAGCCACTGCTAAGCTGTGTACCACATTGCTATGCCAGGAAGTAAG  
 CCGCCTCTGCCTCCTTTCTGCGGGAACTACAGGATTGTGCCCTCCACCTACCTGCCAGATACAGAGGGT  
 ACCTTCACAGTGACCATAGCAACCAGAATAGACAGACAGTCCATTACAGCCAGGAGATGCTGGGCCAGC  
 TACTCCAGGAGGTCTCCTTCATGGCAGTGATGAAAGC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_031673
- Insert Size:** 2001 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\\_031673.2](#), [NP\\_113861.1](#)

**RefSeq Size:** 2561 bp

**RefSeq ORF:** 2001 bp

**Locus ID:** 63834

**UniProt ID:** [Q9ES66](#)

**Cytogenetics:** 9q36

**Gene Summary:** large subunit of calpain, a calcium-dependent cysteine protease; human homolog has been associated with type II diabetes mellitus [RGD, Feb 2006]