

Product datasheet for **MC205652**

Capn10 (NM_011796) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capn10 (NM_011796) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Capn10
Synonyms:	AW049679; Capn8; mKIAA1845
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC005681
 CCGACGCGTGGGCCGGGCTAAGCAAACACGGTTTGCAGTGAAGGCCGCGCACTCGCTCCCGGGCGGCGAC
 CGAGTCCACGGGCCCGCAGATGGGAGCCCAGGGCCGAAGATGCGGGCGGTCCGGGCCGAGACGCCGGCG
 CGGGAGCTCTCCGGGACGCGGCATTCCCCGCCTCGGACTCCTCGCTCTTTACAACCTGTCCACGCCTC
 TGGCCCAGTTTCGGGAGGACATCACTTGGAGACGACCCAGGAAATCTGTGCCACACCTCAGCTGTTTCC
 AGATAACCCATGGGAGGGACAGGTGAAGCAAGGGCTGCTGGGAGATTGCTGGTTCTGTGTGCCTGTGCC
 GCCCTTCAGAAGAGTCAACACCTCTGGACCAGGTCTTCCCTCCAGGACAGCCAGGCTGGTCTGACCAGA
 AATACCAAGGCTTCTTACCTGTGCGATTGGCAGTTTGGACACTGGGAGGAAAGTACCATAGATGATCG
 TCTGCCTTGTCTTCCGGGAGACTCTGCTTTTCCCGGTGCCAGAGAGAGGATGTGTTCTGGCTTCCCTTA
 CTGAAAAGGCCTATGCTAAGGTCCATGGATCGTATGAGCACCTGTGGCAGGGCAAGTGGCAGATGCCT
 TAGTGGATCTCACTGGAAGCCTGGCAGAAAGGTGGAGCTTGAAGGATGTAAAGAAAGCCAGCGGCCAGCA
 GGACAGACCCAGTGGTGGGAGCACAGAACTTGTGCGCAGCTACTCCACCTGAAGGACCGGTGTCTAATC
 AGCTGCTCTGTGCTTAGCCCCAGAGCAGGTGCCAGGAACTCGGAGAGTCCATGCCTTCATCATCTCAG
 ATCTGCAGGAGCTCAGGAGTCAGACTGGCCAGGGTATCCTCCTGTGCGGATTACAACCCCTGGGGCCG
 GCGTTGTTGGCAGGGCCTCTGGAGAGAAGGAGGTGAAGGGTGAACCAGGTAGAGCCAGCTAAGGAGTCT
 GAGCTGTGCCCCAACTCCAGGAAGGAGAGTTCGGGTGAGGAAAGAGGAGTTCCTCAGGAGTTTGATG
 AGGTACCCATCGGCTACCCAGTACAGAGGCCGGCCACCTACAGAGTCTCCACACAGAGAGGGTGTGTG
 CCATACGCGGACACTGCCTGGTGCCTGGGTGACAGGGCAGTCAGCAGGAGGCTGCCGGAACAAGTTGC
 TTTCCCTGCAACCCCAAGTTCTGGTTACGGCTCTTGAACCCAGCGAGGTGTGTGGTGTCTTTCAGA
 GACCCCGGAGGCGCTTAGTGGCCAGACTCGGGCACTGGCGGGTGCCAGTCTGCACCGGTGAACCTCCC
 AGGCAAAGACTACCAGGCTGTGGCCTGCACATCTGGAAGGTAGAGAAACGGAAGATCAGCTGCCCAGA
 GTCTGTCTGCACCCCTGTGGCTGGCACTGCATGCCATGCGTATGATCGTGAGATCCACTTGCCTTGTG
 AGCTACTACCAGGCTACTACCTGGCCGTCCTAGCACCTTTTTGAAGGATGTGCCAGGGCAGTTCTCTGCT
 CAGAGTCTTCTCCTACTGGGAAAATCTCCCTCAGTGCCGTGAGGCTGGCCACCAAGGGTGCATCGCCTGGA
 ACAGCCCTGCCTGCAGGCGAGTGGGAGACTGTGCAGTTGCAGGGCTGCTGGAGAGCTGGCCAGACAGCTG
 GGGCAGCAGGAACTTTGCCTCTTACCCTGCAATCCCTGCCTCCCTTTCTGTTCCTGAGGGTGTGG
 CCCCCGTACATCCGTATCACCTACAGCAACTGCCGGCTCAGTGACAGCCAGCTGCACCCATTGGT
 TTCCATGTCTTTCAGGTTCCAGCAGACGGTGAAGAACAGGACGCGTGTCCCTGTGCTCCAGGAGCCAC
 TGCTAAGCTGTGTACCACATCGTACGCCAGGAAGTGAAGCCGCTCTGCCTCCTTTCTGTGGGAACTA
 CAGGATTGTTCCCTCCACCTACCTGCCAGATACAGAGGGTACCTTACGGTAACCATAGCAACCAGAATC
 GATAGGCAGTCCATCCACAGCCAGGAGATGCTGGGCCAGCTGCTCCAGGAGGTCTCCTTTATGGCAGTGA
 TGAAGCCTGACACGAGACCCCTGTGTGCCAGCCATGGCCAGAGTGGCTGTGCCCTGTGCCCAGCATCC
 AGGTGCATCTCCAGCCAGCTACAAGCCAGCTTCTCGTCAGCTCTGGAGGTTGGCTGTGGACCTTGGGGCT
 AAAATAGGGTGTCTTGTCTGGATTGAAGACATCTCGGGTCCAGTGGGTGCTGCAGGGCGGGGCTAGAAC
 TCCCAAGTGGTATCTTATTCTTAGTGAAGGCCAGGAGATTCTGGGGCCGGGTTTGTGTGGAAAGC
 TTTGCAGAATCCACATAACCTTCTTACTTGGAAAGCCTTACACTAGGACAGCCAGACTGTGACAAATGCT
 AAAACCTATTTTACTTGAATATTTTTGGAATGTGACTTTATAAATAAACATGAATAATTTATGGATT
 AAAAAAAAAAAAAAAAAA

- Restriction Sites:** EcoRI-NotI
- ACCN:** NM_011796
- 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: [BC005681](#), [AAH05681](#)

RefSeq Size: 2537 bp

RefSeq ORF: 2001 bp

Locus ID: 23830

UniProt ID: [Q9ESK3](#)

Cytogenetics: 1 D

Gene Summary: Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. May play a role in insulin-stimulated glucose uptake (By similarity).[UniProtKB/Swiss-Prot Function]