

## Product datasheet for **MC202898**

### Capn5 (NM\_007602) Mouse Untagged Clone

#### Product data:

|                           |                                        |
|---------------------------|----------------------------------------|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | Capn5 (NM_007602) Mouse Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | Capn5                                  |
| Synonyms:                 | nCL-3                                  |
| Mammalian Cell Selection: | Neomycin                               |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)                |
| E. coli Selection:        | Kanamycin (25 ug/mL)                   |



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**Fully Sequenced ORF:** >BC014767 sequence for NM\_007602  
 AGAGAACCTCAGTTGCTGAGCGGGTGCTTCACTCCGTGTCTCTTTGCCCTATAGCAGGTGCCTCCCT  
 TCTTGGGACGTGGTCACCATGTTCTCCTGCGCGAAGGCCTATGAGGACCAGAATACTCGGCGTGAAG  
 CGGGCTGCCTGCGCAAGAAGGTGCTGTTTCGAGGATCCCTCTTCCCTGCCACCGACGACTCCCTTACT  
 ATAAGGGCACCCAGGGCCACAGTCAGGTGGAAGCGGCTAAGGATATCTGCGACGATCCCCGGCTCTT  
 CGTAGATGGCATCAGTCCCATGACCTGCACAGGGCCAGGTGGGCAACTGCTGGTTTGTGGCTGCCTGC  
 TCATCACTGGCTCCCGAGAGTCACTCTGGCAGAAGGTCACTCCAGACTGGAAGGAGCAGGAATGGAACC  
 CCGAGAAGCCTGACAGCTATGCTGGCATTTCCACTTCAACTTCTGGCGCTTTGGGGAGTGGGTGGACGT  
 AATCGTCGATGACCGGCTGCCACAGTCAACAACCAGCTCATTTACTGCCATTCCAACCTCAAAAAATGAG  
 TTCTGGTGTGCCCTGGTGGAGAAGGCTATGCCAAGCTGGCCGGCTGTTACCAGGCCCTGGACGGAGGCA  
 ACACGGCCGATGCATTGGTGGATTTACAGGTGGTGTCTGAACCCATTGACCTGACCGAGGGGGACTT  
 GGCCACTGACGAGGCTAAGAGGAATCAGCTCTTTGAGCGAGTGTGAAGGTGCACAGCAGAGGGGGCTC  
 ATCAGTGCCTCCATCAAGGCTGTGACAGCAGCTGACATGGAGGCCCGCTGGCATGTGGCTGGTGAAGG  
 GCCATGCATACGCTGTCACCGATGTGCGCAAGGTGCGCTGGCCATGGCTGCTGGCTTCTTCAAGTC  
 AGAGAAGCTTGATATGATCCGTCTGAGGAACCCCTGGGGCGAGCGGAGTGGACGGGGCCCTGGAGTGAC  
 ACGTCAGAGGAATGGCAGAAAGTGAGCAAGAGTGAGAGGGAGAAGATGGGCGTGACCGTGACAGGATGATG  
 GGGAAATCTGGATGACCTTTGAGGACATGTGCCGTACTTTACTGACATCATAAATGCCGCTGATTAA  
 CACGTCCTACCTGAGCATCCATAAGACATGGGAGGAGGCCGGCTGCATGGTGCCTGGACGAGACATGAG  
 GACCCACAGCAGAACCAGTGGAGGCTGCATCAACCACAAGGACACTTTCTTCCAGAACCACAGTACG  
 TATTTGAAGTCAAGAAGCCAGAAGATGAAGTGTGATCAGTATCCAGCAGCGGCCAAGCGCTCAACTCG  
 CCGGGAGGGCAAAGGCGAGAATCTGGCCATTGGCTTCAACATCTATAAGGTGGAAGAGAACCGCCAATAC  
 CGTATGCACAGCTACAGCATAAGGCCGCCAGCTCCATCTACATCAATTTCCGACGCTTTTTTTGAGGA  
 CAGAGTGCCTGAGGGCCGCTACGTTATCATCCCTACCCTTTGAGCCAGGCCACACTGGCGGATCCCT  
 GCTCCGAGTCTTACAGATGCTCCCTCCAAGTCCCGGGAAGTACGCTGGATGAGCCCCCTCGGACCTGT  
 TGGAGTCCCTCTGTGGCTACCCTCAGCAGGTGGCCAGGTACATGCTCTGGGGGCTGCTGGCCTCAAGG  
 ACTCCCCAACAGGAGCAAACCTCATATGTGATCATCAAGTGTGAGGGCGAAAAGGTTGCTCAGCTGTGCA  
 GAGAGGGACCTCGACACCAGAGTACAATGTAAAAGGCATCTTCTATCGCAAGAAGCTGGCTCAGCTATC  
 ACCGTGCAGGTTTGAATCACCGAGTCTGAAGGATGAATTCCTGGCCAGGTGCACCTGAAGACTGCC  
 CGGATGACCTGCAGGACCTCCACACCCTCCATCTCCAGGACCGCAGTAGCCGGCAGCCAGTGCCTGCC  
 AGGCATTTAGCTGTGCGAGTCTCTGCACTGCTCTCACGGTGTCTGACCCAGCCTGCCTGTCTCT  
 GCCCACTAGTCTCACCCTCTTGCATGTCCCACCTTGCTGGGACCAGCCTGGGAACCAGACTG  
 GGGCCCTTCTCACTCTTCCACTGACCCACTGTGTGACCTGAAGAGAGCCCTGCCTCTCGGAGCCTCA  
 GTGTTTGGAGGGCCCAAGAATTTCCGCTTGTGGGGGAGTTTTCTTGCCTAAAGAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_007602

**Insert Size:** 1923 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:** [BC014767](#), [AAH14767](#)

**RefSeq Size:** 2240 bp

**RefSeq ORF:** 1923 bp

**Locus ID:** 12337

**UniProt ID:** [O08688](#)

**Cytogenetics:** 7 E1

**Gene Summary:** The protein encoded by this gene is a member of the calpain family of proteins. Unlike many members of the calpain gene family, this gene lacks a calmodulin-like domain, required for calcium binding. Mouse models for Huntington's disease displayed increased levels of the protein encoded by this gene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]  
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.