

## Product datasheet for **RN202533**

### Capn5 (NM\_134461) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Capn5 (NM_134461) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Capn5
Synonyms:	Htra3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN202533 representing NM\_134461  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTCTCCTGCACAAAGGCCTATGAAGACCAGAATTACTCAGCTCTGAAGCGGGCCTGTCTGCGCAGGA  
 AGGTGCTGTTTCGAGGACCCCACTTCCCTGCCACCGACGACTCACTCTACTATAAAGGGTACCCAGGGCC  
 CACAGTCAGGTGGAAGCGGCCTAAGGATATCTGCGATGATCCCCGGCTCTTCGTCGATGGCATCAGCTCG  
 CATGACCTGCACCAGGGCCAGGTGGGCAACTGCTGGTTTGTGGCCGCTGCTCATCACTCGCCTCCCGGG  
 AGTCACCTGGCAAAAGGTCATCCAGACTGGAAGGAGCAGGAATGGAACCCCGAGAAGCCGACAGCTA  
 TGCTGGCATCTTCCATTTCAACTTCTGGCGCTTGGGGAGTGGGTGGACGTGGTTCGTCGATGACCGGCTG  
 CCCACAGTCAACAACCACTCATTTACTGCCACTCCAACCTCGAAAAATGAGTTCTGGTGTGCCCTGGTGG  
 AGAAGGCCTATGCCAAGCTGGCAGGCTGTACCAGGCCCTGGACGGAGGCAACACAGCCGATGCACTGGT  
 GGATTTACAGGGCGGTGTTTCGGAACCCATCGACCTGACCGAGGGGGACTTGGCCACAGATGAGGCTAAG  
 AGAAGCCAGCTCTTTGAACGTGTGTTGAAGGTGCACAGCAGAGGTGGGCTCATCAGTGCCTCCATCAAGG  
 CTATGACAGCAGCTGACATGGAGACCCGCTGGCCTGTGGTCTGGTGAAGGGCCATGCATATGCTGTAC  
 CGATGTGCGCAAGGTGCGCCTGGGCCATGGCCTGCTGGCCTTCTCAAGTCAGAGAAGCTGGACATGATC  
 CGTCTGAGGAACCCCTGGGGCGAGCGGGAGTGGACCGGGCCCTGGAGTGACACGTGACAGGAATGGCAGA  
 AAGTGAGCAAGAGTGAGAGGGGAGAAAAATGGCGGTGACCGTACAGGACGATGGTGAATTCTGGATGACCTT  
 TGAGGACATGTGCCGATACTTACCAGACATCATTAAGTCCCGCTGATTAATACGTCCTACCTGAGCATC  
 CACAAGACATGGGAGGAGCCCGGCTGCGTGGTGCCTGGACGAGACATGAGGACCCCGCAGAGAACC  
 GTGGAGGCTGCATCAACCACAAGGACACTTCTCCAGAACCACAGTACATATTTGAAGTCAAGAAGCC  
 AGAAGATGAAGTCTGATCTGCATCCAGCAGCGGCCAAACGCTCGACTCGCCGAGAGGGCAAGGGGAG  
 AATCTGGCCATCGGCTTCGACATCTATAAGGTGGAAGAGAACCGCCAGTACCGGATGCACAGCCTGCAGC  
 ATAAGGCCCGCAGCTCCATCTACATCAATTCTCGGAGTGTTCCTGCGGACAGAGCTGCCTGAGGGCCG  
 CTACGTATCATCCCTACCACCTTTGAGCCAGGCCACACTGGCGAGTTCTGCTCCGCGTCTTACAGAG  
 GTTCCCTCCAACCTGCCGGGAGCTACGCCTGGATGAGCCCCCTCGTACCTGCTGGAGCTCCCTGTGTGGCT  
 ACCCTCAGCAGGTGACCCAGGTCCATGTCCTGGGAGCTGCTGGCCTCAAGGACTTCCACAGGAGCAAA  
 CTCATATGTGATCATCAAGTGTGAGGGTAAAAGGTTTCGCTCAGCTGTGCAGAGAGGGACCTCGACGCCA  
 GAGTACAATGTGAAAGGCATCTTCTATCGCAAGAACTGTCTCAGCCCATCACTGTGCAGGTCTGGAATC  
 ACCGAGTCTGAAGGATGAATTCCTGGGCCAGGTGCACCTGAAGACTGCCCGGATGACCTGCAGGACCT  
 GCACAGCCTCCATCTCCAGGACCGCAGTGGCCGGCAGCCAGCGACTTGCAGGCATCGTCGCTGTGCGT  
 GTCCTCTGCAGTGCCTCTCTCACGGCTGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_134461
- 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:** [NM\\_134461.2](#), [NP\\_604456.2](#)

**RefSeq Size:** 4236 bp

**RefSeq ORF:** 1923 bp

**Locus ID:** 171495

**Cytogenetics:** 1q32

**Gene Summary:** human and mouse homologs are members of a subset of the calpain family of proteases that lack a calmodulin-like domain [RGD, Feb 2006]