

Product datasheet for **RN201011**

Capn2 (NM_017116) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capn2 (NM_017116) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Capn2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201011 representing NM_017116
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGGCATCGCGATGAAACTGGCCAAAGACCGCGAGGCGGCCGAGGGGCTGGGTCTCACGAGAGAG
 CCATCAAGTACCTCAACCAGGACTACGAGACACTGCGGAACGAGTGCCTGGAGGCCGGGGCCTCTTCCA
 GGATCCTTCCCTCCCGCCCTGCCGTCTGCCCTGGGCTTCAAGGAGTTGGGGCCCTACTCCAGAAAAC
 CGGGGCATCGAATGGAAGCGGCCACGGAGATCTGCGCAGACCCCGATTATTGGAGGTGCTACCC
 GCACAGACATCTGCCAAGGAGCCCTGGGGACTGCTGGCTTCTGGCTGCCATCGCTCCCTCACCTTGAA
 TGAAGAAATCCTGGCTCGAGTTGTCCCTAGACCAGAGCTTCCAGAAAACATGCAGGCATCTCCAT
 TTCCAGTTCTGGCAATATGGCGAATGGGTGGAGGTGGTGGACGACAGACTGCCCACTAAGGACGGG
 AGCTGCTCTTTGTTTCATTAGCTGAGGGGAGCGAGTTCTGGAGTGCCTTCTGGAGAAGGCATGCCAA
 GATCAATGGGTGCTATGAAGCACTCTCAGGGGTGCCACCACTGAGGGCTTTGAAGACTTACAGGAGGC
 ATTGCCGAGTGGTATGAGCTGAGGAAGCCTCCTCCAATTTGTTCAAGATCATCCAGAAGCCTTTGGAGA
 AAGTTTCTGCTTGGCTGCTCTATCGATATCACCAGCGCTGCGGATTCTGAGGCCGTTACGTACCAGAA
 GTTGGTAAAAGGACATGCGTACTCCGCTACTGGAGCCGAGGAGTTGAAAGCTCAGGAAGCCTGCAGAAA
 TTGATACGTATCAGGAACCCCTGGGGACAAGTGGAGTGGACCGGGAAGTGAATGACAACTGCCCCAGCT
 GGAACACGGTTGACCCAGAAGTAAGGGCAAATCTAACAGAACGGCAGGAGGACGGAGAATTCTGGATGTC
 CTTCACTGACTTCTGAGGCACTACTCTCGTCTAGAAACTGCAACCTGACCCCGGACACCCTCACCTGT
 GACTCCTACAAGAAGTGGAACTCACAAGATGGATGGAACTGGAGGCGAGGCTCCACTGCAGGGGGCT
 GCAGGAATTACCAAATACCTTCTGGATGAACCTCAGTACCTAATCAAGCTGGAGGAAGAAGATGAAGA
 TGATGAGGATGGGGAGAGGGGCTGTACCTTCTGGTGGGCTCATCCAGAAGCATCGGCCGCGCAGAGG
 AAGATGGGTGAGGACATGCACACATTGGCTTCGGCATCTATGAGGTCCCAGAGGAGCTAACAGGGCAGA
 CCAACATCCACTCAGCAAAAACTTTTCTGACAACCCGAGCCAGGGAGCGGTGAGATACCTTTCATCAA
 CCTCCGGGAGGTCTCAACCGCTTCAAGCTGCCCCGGGAGAATATGTCCTTGTCTTCCACCTTCGAG
 CCCCACAAGAATGGCGATTTCTGCATCCGAGTCTTCTCAGAGAAGAAGGCTGACTACCAAACGTGCGATG
 ATGAAATCGAGGCCAACATTGAAGAGATTGAAGCCAATGAGGAGGACATTGGAGATGGATTCAGAAGCT
 GTTTGCTCAGCTGGCTGGAGAGGATGCGGAGATCTCTGCCTTTGAGCTGCAGACCATCTTGAGAAGATT
 CTAGCCAAGCGCAAGACATCAAGTCAGATGGCTTCAGCATCGAGACCTGTAAGATCATGGTGGACATGC
 TGGATGAAGATGGGAGCGCAAGCTGGGGCTGAAGGAGTTCTACATCCTCTGGACGAAGATTCAGAAATA
 CCAAAAAATTTACCGAGAGATCGACGTGGACAGGTGCGGAACCATGAATTCCTATGAGATGCGGAAGGCT
 TTGGAAGAAGCAGGTTTCAAGCTGCCCTGTCAACTTCATCAAGTCATCGTTGCCCGTTTGCAGATGACG
 AACTCATCATCGACTTTGACAACCTTTGTGCGGTGTTGGTTTCGGCTGGAAATACTATTCAAGATTTCAA
 GCAGCTGGACCCTGAGAACACTGGAACGATACAGCTCGACCTTATCTCGTGGCTGAGTTTTTCAGTACTC
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017116

Insert Size: 2103 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:	<ol style="list-style-type: none">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:	<u>NM_017116.2</u> , <u>NP_058812.1</u>
RefSeq Size:	3556 bp
RefSeq ORF:	2103 bp
Locus ID:	29154
UniProt ID:	<u>Q07009</u>
Cytogenetics:	13q26
Gene Summary:	putative calcium-binding protease [RGD, Feb 2006]