

Product datasheet for **RN211513**

Capn1 (NM_019152) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capn1 (NM_019152) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Capn1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211513 representing NM_019152
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGAGGAGTTAATCACACCTGTGTACTGCACCGGGGTGTCAGCCCAAGTCAGAAGCAACGGGACA
 AGGAGTTGGGCTTGGGCCGCATGAAAATGCCATCAAGTACCTGGGCCAGGATTATGAAAATCTTCGTGC
 AAGATGCCTGCAGAACGGGGTCTCTTCCAAGACGATGCCTTCCCTCCAGTTTTCATAGCTTGGGCTTC
 AAGAACTGGGTCCCAATTCTCTAAAACCTATGGCATCAAGTGAAGCGTCTACGGAAGTGTGTCAA
 ACCCCCAGTTCATCGTGGATGGAGCCACCCGAACGGACATCTGCCAGGGAGCACTGGGGACTGTTGGCT
 CCTGGCTGCCATTGCCTCGCTCACTCTCAACGAGACTATCTCCACCGAGTGGTTCCTACGGCCAGAGC
 TTCAGGAGGGCTATGCTGGCATCTTTCAATTCAGCTGTGGCAGTTTGGGGAGTGGGTAGATGTGGTTG
 TGGATGATTTGCTACCCACCAAGGATGGAAGCTGGTGTTCGTGCACTCTGCCAGGGCAACGAGTCTG
 GAGCGCTCTCCTGGAGAAAGCCTATGCAAAAGTGAATGGCAGCTATGAGGCCCTTCGGGAGGCTGCACC
 TCAGAGGCCTTCGAGGACTTTACCGGTGGGGTCACTGAGTGGTACGATCTGCAGAAGGCACCCAGCGACC
 TCTACCAGATCATTCTGAAGGCCCTGGAACGAGGCTCCTTGTGGGCTGTCCATTAATATCTCCGATAT
 CCGTGATTTGGAGGCTATTACTTTAAGAACCTGGTGAGGGGCCATGCATACTCTGTGACGGATGCCAAG
 CAGGTCACCTACCAGGGCCAGCGGGTGAACCTAATCCGGATGCGGAACCCCTGGGGTGAAGTGGAGTGGAA
 AAGGACCTGGAGTGACAACCTATGAGTGAACAAAGTGGACCCCTATGAACGTGAGCAGCTGAGGGT
 CAAGATGGAGGACGGGGAGTTCTGGATGTCTTCCGGGACTTCATACGTGAGTTCACCAAAGTGGAAATC
 TGCAACCTACACCTGACGCCCTAAGAGCAGAACCCCTCCGGAAGTGAATACCACATTTTACGAGGGCA
 CCTGGCCCGGGGAAGCACTGCTGGAGGCTGCAGGAACCTACCAGTACCTTCTGGGTAACCCCCAGAT
 CAAGATCCGGCTGGAGGAGGTGGATGACGCAGACGACTATGACAGTCGAGAGTCCGGCTGCAGCTTCTTG
 TTGGCCCTCATGCAGAAGCATCGCCGACGGGAGCGTCTGTTGGCCGGGACATGGAGACCATTGTTTTG
 CAGTGTACCAGGTCCCTCGGGAGTTGGCGGGTCACTGTGCACTTGAAGCGTGACTTCTTCTGGCCAA
 TGCTTCTCGGGCACAATCAGAGCACTTTATCAACCTTCGAGAGGTGAGTAAACCGCATCCGCCTGCCGCCG
 GGGGAGTATATAGTGGTGCCTCCACCTTCGAGCCCAACAAGAGGGTGACTTTCTGCTGCGCTTCTTTT
 CAGAGAAGAAGGCTGGGACCCAGGAAGTATGACAGATCCAGGCCAACCTCCCGATGAGAAAGTGTCT
 CTCTGAAGAGGATCGATGACAACCTTCAAACCTGTTGAGCAAGTGGCAGGGGATGACATGGAGATC
 AGTGTCAAGGAGTTACAGACCATCTTGAACAGAATCATTAGCAAACACAAGACCTGCGCACTAACGGCT
 TCAGCCTGGAGTCGTGCCGACGATGGTGAACCTCATGGATCGAGACGGTAAATGGGAAACTGGGCCTGGT
 GGAGTTCAACATCCTGTGGAACCGCATCCGAAATTACCTGACCATCTCCGAAAGTTGACCTGGACAAG
 TCTGGCAGCATGAGTGTATGAGATGAGGATGGCCATCGAGGCTGCAGGCTTCAAGCTTAAACAAGAAGC
 TGCATGAGCTCATCATACCCGCTACTCAGAGCCCGACCTGGCCGTGGACTTTGACAACCTTGTGTGCTG
 CCTTGTGCGCCTGGAGACCATGTTCCGGTTTTTCAAAATCTGGACACAGACCTGGATGGTGTGTGACC
 TTTGATCTATTTAAGTGGTTACAGCTGACTATGTTTGCA TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019152

Insert Size: 2142 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_019152.2</u> , <u>NP_062025.1</u>
RefSeq Size:	3020 bp
RefSeq ORF:	2142 bp
Locus ID:	29153
UniProt ID:	<u>P97571</u>
Cytogenetics:	1q43
Gene Summary:	calcium-dependent protease that may be involved in experimental allergic encephalomyelitis (EAE) [RGD, Feb 2006]