

## Product datasheet for **RN211917**

### Capn3 (NM\_017117) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Capn3 (NM_017117) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Capn3
Synonyms:	Lp82; Lp84; Lp85; p94
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211917 representing NM\_017117  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCCACCGTTATTAGTCCAACGTGGCCCCAAGGACAGGAGCTGAGCCAGGTCGCCAGGCCAGTTC  
 CTCACCCAGCTCAAGGCAAGACCACTGAGGCTGGAGGTGGACACCCGGTGGCATCTATTAGCCATCAT  
 CAGCCGCAATTTCCGATCATTGGTGTAAAGAGAAGACATTCGAGCAGCTCCACAAGAAGTGCCTAGAG  
 AAGAAAGTTCTTTACCTGGATCCCGAGTCCCACCGGATGAGACCTCTCTTTTACAGCCAGAAGTTCC  
 CCATCCAGTTCGCTGGAAGAGACCTCCGAAATTTGTGAGAATCCCGATTTATCATTGGTGGAGCCAA  
 CAGGACTGACATCTGCCAAGGAGATCTAGGGGACTGCTGGCTTCTGCAGCCATTGCCTGTCTGACCCTG  
 AATGAGCGACTGCTTTCCGAGTTATACCTCATGATCAAAGTTTCACTGAAAACACGAGGATCTTCC  
 ACTTCCAGTTCGCGCTATGGAGACTGGGTAGATGTGGTTATTGACGACTGTCTGCCGACATACAACA  
 CCAGCTGGTCTTACCAAATCCAACCACCGCAATGAGTCTGGAGTGTCTACTGGAGAAAGCATATGCC  
 AAGCTCCATGGTTCCTATGAAGCTCTGAAAGGTGGGAACACCACAGAAGCCATGGAGGACTTCACAGGAG  
 GGGTGACAGAGTTTTTTGAGATCAAGGATGCTCCGAGTGACATGTACAAGATCATGAGGAAAGCTATCGA  
 GAGAGGCTCCCTCATGGGCTGCTCCATTGATGATGGCACCAACATGACTTATGGAACCTCTCCTTCTGGT  
 CTGAACATGGGGGAATTGATTGCGCGGATGGTGAGAAATATGGATAACTCGTGTCTCAGAGACTCAGACC  
 TGGACCCAGGGCCTCAGATGACAGACCGTCACGGACAATTGTTCCGGTGCAGTATGAAACAAGAATGGC  
 CTGTGGACTGGTAAAGGGCAGCCTATTCAGTCACTGGGCTGGAGGAGGCCCTGTTCAAAGCGGAGAAG  
 GTGAAGCTGGTGGCTGCGGAACCCCTGGGGCCAGGTGGAGTGGAAACGGCTCTGGAGTGTGGTTGGA  
 AGGACTGGAGCTTTGTGGACAAGACGAGAAGGCCCGTCTGCAGCACAGGTCACCGAGTGGAGAGTT  
 CTGGATGTCATATGATGACTTTGTCTACCATTTACAAAAGCTGGAGATCTGCAACCTCACAGCTGATGCC  
 CTGGAGTCCGATAAGCTTCAGACCTGGACAGTGTCTGTAATGAGGGCCGCTGGGTGAGGGGCTGTTCTG  
 CTGGAGGCTGCCGGAACCTCCAGACACTTTCTGGACCAACCCGAGTACCGTCTCAAGCTCCTGGAGGA  
 GGATGATGACCCTGATGACTCTGAGGTGATTTGCAGCTTCTCGTGGCTCTGATGCAGAAAAATCGGCGC  
 AAGGACCGGAAGCTGGGGCCAACCTCTTACCATTGGCTTCGCTATCTACGAGGTTCCCAAAGAGATGC  
 ACGGGAATAAGCAACACCTGCAGAAGGACTTCTTGTACAATGCCTCAAGGCCAGGAGCAAAACCTA  
 CATCAACATGCGGAGGTGTCCAGCGCTTCCGCCTGCCGCCAGCGAGTATGTCATTGTCCCTCCACT  
 TACGAGCCCATCAGGAGGGGAATTCATCTCCGGTCTTCTCTGAAAAGAGGAATCTCTGAGGAAG  
 CTGAGAATACAATCTCTGTGGACCGCCAGTGA AAAAGAAAAAACAAGCCCATCATCTTCGTTTCAGA  
 CAGAGCAAAACAGCAACAAGGAGCTGGGTGTGGACCAGGAGGCAGAGGAGGGCAAAGACAAAAACAGGGCCG  
 GATAAAACAAGGGGAAAGCCACAGCCACGGCTGGCCACACAGACCAGGAGAGTGAGGAGCAGCAGCAAT  
 TCCGGAACATCTTCAGGCAGATTGCAGGCGACGACATGGAGATCTGTGCGGATGAACTCAAGATGTCTT  
 TAATACGGTGGTGAACAAACACAAGGACCTGAAGACACAAGGGTTCACTCTGGAGTCTGCAGAAGCATG  
 ATAGCTCTCATGGATACAGATGGCTCTGGGAGACTGAATCTTCAAGAGTCCATCACCTTGAAAAAGA  
 TCAAGGCTGGCAGAAAACTTCAAACACTATGACACTGACCATTCTGGTACCATCAATAGCTATGAGAT  
 GCGAAATGCAGTCAATGATGCAGGCTTCCATCTCAACAGCCAACCTATGACATCATCCATGCGCTAC  
 GCAGACAAACACATGAACATCGACTTTGACAGTTTCATCTGCTGCTTCGTCAGGCTGGAAGGGATGTTCA  
 GAGCTTTTACGCATTTGACAAGGATGGAGATGGCATCATCAAACCTGAACGTAAGTACTTGAGTGGCTGCAGCT  
 TACCATGTATGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_017117  
 Insert Size: 2466 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_017117.1</a> , <a href="#">NP_058813.1</a>
<b>RefSeq Size:</b>	3138 bp
<b>RefSeq ORF:</b>	2466 bp
<b>Locus ID:</b>	29155
<b>UniProt ID:</b>	<a href="#">P16259</a>
<b>Cytogenetics:</b>	3q35
<b>Gene Summary:</b>	calcium-activated protease; alternative splicing produces different protein products; may be involved in astrocyte plasticity and in eye development and pathology [RGD, Feb 2006]