

## Product datasheet for **RN205486**

### Capn8 (NM\_133309) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Capn8 (NM_133309) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Capn8
Synonyms:	CL-2'; Cls4; nCL-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205486 representing NM\_133309  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCAGCTCTGGCAGCGGGAGTATCCAAGCAACGTGCAGTTGCTGAGGGGCTTGGCTCTAACAGAATG  
 CTGTGAAGTATCTGGGCCAGGACTTCGAGACCCTGAGGAAGCAGTGCTTGAACCTCGGGGGTCTATTAA  
 GGACCCAGAATTTCCAGCATGTCCATCAGCTTTGGGCTACAAGGATCTAGGACCAGGCTCCCCAGACACT  
 CAAGGCATCGTATGGAAGCGACCCACGGAATTGTGCCAACCCCTCAGTTTATTGTTGGTGGAGCCACAC  
 GCACAGACATCCGCCAAGGGGTCTGGAGACTGCTGGCTTCTAGCAGCCATTGCCTCCCTCACCTTGAA  
 TGAAGAGCTGCTTACCAGGCTTCCCAGGGACCAGAGCTTCCAGAAGGACTACGCGGGCATATTTTCAT  
 TTCCAGTCTGGCAGTATGGAGAGTGGGTGGAGGTGGTTCATTGATGACCGGCTCCCACCAAGAACGGGC  
 AGCTGCTTTTTCTACACTCCGAAGAAGGCAATGAGTTTTGGAGCGCTCTGCTGGAGAAAGCCTATGCCAA  
 GCTAAATGGTTCATATGAGGCTCTTGTGGAGGCTCCACAATCGAGGGGTTTGGAGATTTACAGGTGGC  
 ATCTCTGAGTTTTATGACTTGAAGAAGCCTCCGAAAATCTGTACTACATCATCCAGAAGGCCCTCCGCA  
 AAGGCTCTCTGCTGGGCTGCTCCATTGATGTCTCAACTGCAGCTGAAGCAGAAGCCACCACCAGGCAAAA  
 GCTGGTTAAGGGTCATGCATACTCTGTTACTGGAGTGAAGAGGTGAATTTCCATGGCCGTCAGAGAAG  
 CTGATCAGGTTGAGGAACCCGTGGGGTGAAGTGGAGTGGTCCGGGAGCCTGGAGTGATAATGCACCTGAGT  
 GGAATTACATAGATCCAAGGAGGAAGGAGGAGCTGGACAAGAAAGCAGAAGATGGCGAGTTCTGGATGTC  
 CTTTTCGGATTTCTTGAAGCAGTACTCCGACTGGAGTCTGCAACCTGTCCCAGACTCTCTGAGCAGT  
 GAAGAGATACACAAATGGAACCTAGTACTCTTCAACGGCCGCTGGACACGGGGTTCTACAGCCGGGGCT  
 GCCTGAACTACCAGGCAGTACTGGACCAACCCCAAGTTTAAATCCATTTGGATGAGGTGGATGAGGA  
 CCAGGAGGAGGGCACCAAGTGAACCCGTGTACCCTGCTGCTGGGCTCTGATGCAGAAGAATCGAAGACGT  
 CAAAAGAGGATCGGCCAGGGCATGCTCAGCATAGGCTACGCTGTCTACCAGATTCCTCAAGGAGTTGGAGA  
 GTCACACGGATGCACACCTTGGCCGGGACTTCTTCTGGGACGCCAGCCCTCTACCTGCTCCAGCACTTA  
 CATGAACCTTCCGGGAGGTGTCCAGCAGGGTCCGACTCCCCCGGGACAGTACCTGGTGGTCCATCCACC  
 TTCGAGCCCTTCAAGGATGGTGACTTCTGCTTGGGGTGTCTCAGAGAAGAAGGCCAAGGCTCTGGAAA  
 TTGGGGTACTGTATCTGGACACCCTCATGAGCCACATCCCCGTGACATGGATGAAGAAGATGAACATGT  
 CCGGAGCCTGTTTGGAGGTTTGTGGGCAAGGATTCTGAGATCAGTGCTAATCAGCTCAAGAGGGTCTCTG  
 AATGAAGTACTTTCTAAACGAACAGACATGAAATTTGATGGATCAACATCAACACTTGCAGAGAAATGA  
 TCAGCCTGCTGGATAGTATGGGACAGGAAGCCTGGGACCTATGGAGTTCAAGACTCTCTGGCTGAAGAT  
 CCGCACATATCTGGAGATCTTCCAAGAAATGGACCATAACCATGTAGGGACCATTGAAGCCCATGAGATG  
 AGGACAGCTCTCAAGAAAGCAGGTTTACCCTCAACAACCAGGTGCAGCAGACCATTGCCATGAGGTATG  
 CGTGCAGTAAGCTTGGTGTGACTTCAACGGTTTTGTGGCGTGTATGATCCGCCTGGAGACCCTGTTCAA  
 ACTGTTCAAGCTTTTGGATAAAGGACCAGAATGGCATTGTCCAGCTCTCCCTGGCTGAGTGGCTGTGCTGT  
 GTGCTGGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM\_133309

Insert Size: 2112 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).

<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>	<u><a href="#">NM_133309.2</a></u> , <u><a href="#">NP_579843.2</a></u>
<b>RefSeq Size:</b>	2411 bp
<b>RefSeq ORF:</b>	2112 bp
<b>Locus ID:</b>	170808
<b>UniProt ID:</b>	<u><a href="#">Q78EJ9</a></u>
<b>Cytogenetics:</b>	13q26
<b>Gene Summary:</b>	member of the calpain family of cysteine proteases [RGD, Feb 2006]