

## Product datasheet for RN214051

### Capns1 (NM\_017118) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Capns1 (NM_017118) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Capns1
Synonyms:	Capn4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN214051 representing NM_017118 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTCTTGGTGAATTCGTTCTTGAAGGGCGGCGGTGGCGGTGGGGGAGGCGGGGTCTGGGCGGGGCC  
TGGGCAATGTGCTCGGAGGCCTGATCAGCGGAGCTGCTGGAGGCGGCGGCGGTGGAGGCGGCGGTGGCGG  
CATGGGACTGGGAGGAGGTGGCGGAGGCGGTGGAACAGCCATGCGTATCCTGGGCGGAGTCATTAGCGCC  
ATCAGCGAGGCTGCTGCGCAGTACAACCCGGAGCCCCGCCCCACGTAGCCATTACTCTAATATTGAGG  
CCAACGAGAGTGAAGAGGAACGTCAGTTCAGGAACTTTTTGTCCAGCTGGCTGGAGACGACATGGAGGT  
CAGCGCTACAGAACTCATGAATATCCTCAACAAGGTCGTGACCCGACCCAGATCTGAAAACCTGATGGG  
TTCGGCATTGACACTTGTGCGGAGCATGGTGGCTGTTATGGATAGTGACACCACAGGCAAGCTGGGCTTTG  
AGGAGTTCAAGTACCTCTGGAACAACATTA AAAAGTGGCAGGGTATATACAAACGCTTTGATACTGACCG  
ATCAGGGACCATTTGGTAGCAATGAACTCCAGGGGCTTTGAGGCAGCAGGATCCACCTGAATCAGCAT  
ATCTACAGCATGATCATCCGCGCTACTCGGACGAGACCGGGAACATGGATTTGATAAATTCATCAGCT  
GCTTGGTCAGGCTGGATGCCATGTTCCGTGCTTCAGATCTCTTGACAAAAATGGCACTGGACAGATCCA  
AGTGAACATCCAGGAGTGGTTCAGCTGACTATGTATTCT**GA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_017118
Insert Size:	813 bp



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<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>	<u><a href="#">NM_017118.1</a></u> , <u><a href="#">NP_058814.1</a></u>
<b>RefSeq Size:</b>	1405 bp
<b>RefSeq ORF:</b>	813 bp
<b>Locus ID:</b>	29156
<b>UniProt ID:</b>	<u><a href="#">Q64537</a></u>
<b>Cytogenetics:</b>	1q21
<b>Gene Summary:</b>	small subunit of calcium-activated protease calpain; functions only in conjunction with large subunit [RGD, Feb 2006]