

## Product datasheet for **RN213248**

### Capn11 (NM\_001002806) Rat Untagged Clone

#### Product data:

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Capn11 (NM_001002806) Rat Untagged Clone |
| Tag:                      | Tag Free                                 |
| Symbol:                   | Capn11                                   |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**Fully Sequenced ORF:** >RN213248 representing NM\_001002806  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGAACCTCTCAGACATCTCTTATGCTGAAAGGGGAATGGTGCAACCATAAACAGCAACAGGCTCA  
 AGGACAAGGGCGTGGGCAATACCAAAATGCCTACAACATAAGAATCAGAACTTTGAGGACCTACGAGC  
 ATCATGTCTCAAGATGGGGAACTGTTCAAGACCCCTTTTTCTGCTGAACCCAGTCTATAGCTTC  
 AAGGAGCTGGGCCCAAGTCTCAAGAAGTCATAACGTCTACTGGCAGCGGCCCAAGGATATCATACATA  
 ACCCCCAATTCATTACGAATGATTTCTCTCCACGGACATCTGCCAAGGCATCCTGGGAGACTGCTGGCT  
 GCTGGCCGCCATTGGCTCCCTTACCACGAGCCCCAACTGCTGTTCCGTGTGGTGCCTAGAAGTCAGAGC  
 TTCAAGAAAACTATGCTGGCATCTTCCATTTTCAGCTTTGGCAGTTCGGGCATTGGTTGAACGTGGTGG  
 TGGACGACCGGCTGCCACTAAGAACAACAAATTTGGTGTTCGTGCACGCCTCCATCGGCAGGAGTTCTG  
 GGGCGCCCTGCTGGAGAAGGCCTACGCCAAGCTGAATGGATCCTACGAAGCACTGACTGGAGGCAGCACC  
 ATGGAGGGTTTGAAGACTTCACAGGCGGCATGGCACAGTGCATTGGGCTCCAGAATCCCCCTCACAAAC  
 TGCTAAGGCTCCTCAGGAAAGCCTTGGAGAAGTCTTCCCTCATGGGTGCTCCATCGAAGCCACCAACAG  
 TGACGATGTGAAAAATGGCCATAATATGCTGGTGAAGGTCACGCTTATGCAATCACCGGCCTACAA  
 GATGTTTACTACAGAGACAAGTTGGAACCCCTAATTCGAATCCAGAACCCTGGGCGAGGATTGAGTGGA  
 ATGGAGCCTGGAGTGACAAAGCCAAGGAGTGGGAAGAGGTGATGCCGGAAGTTGAGATGCAGCTGCTGCA  
 CAAGAAGGAAGACGGGGAGTTCTGGATGTCCTATGAAGACTTCATGAGCAACTTTACATTGCTGGAGATT  
 TGCAACCTCACCCGGACGCGCTCTCCTCTGGGATTACAAGAGCTGCTGGCACACAACCTTCTTTGAGG  
 GCAGCTGGCGAAGGGGGAGCACTGCAGGGGGCTGCAGAACTACCCCGAGACGTTCTGGAGCAACCCCCA  
 GTTTAGGATCTCTCTCCAGAAACGGATGATCCAGAGGATAGCTCTGACAAAAGCGAAATGGTTTGCACG  
 TGTCTGGTGGCGCTGATGCAGAAGAACTGGAGACATGCTCGAGAGGGACCCAGCTGCTACCATAGGCT  
 TCGTCGCTTCTCGGTCCCAAAGGAGTTTCAGAACCTCCAGGACATCCACCTGAAGAAAGACTTCTTTAT  
 GAAATATCGGGACCATGGCTTTTCAGAGATCTTCACCAACACGAGGGAGGTGAACAGCCATCTTCGGCTG  
 CCCCCGGGGAGTACGTATTATCCCCTCCACCTTTGAGCCTCATAAAGATGCTGACTTCTGCTTCGAG  
 TCTTCACAGAGAAACACAGTGAGACCTGGTTGCTGGATGAAGTCAACATGCTTGAGCAACTCCAAGAGGA  
 GACCATCACTGATGCAGATTTGGACCAGAATTCTGTAGAGTTGTTTGAGACGTTGGCAAACCGGGACAGC  
 CAAGTAGATATGTATGACCTACAAAACTTCTCAACAAGATGTCAAGTAAATTCAAGAGCTTCAAGTCGA  
 AGGGCTTTAGCTTGATGTCTGTGCGCGTATGGTCAACCTCATGGACAAAGACGATTCTGGAAGCTGGG  
 GCTTCATGAGTTCCATATCCTATGGAAAAAGATCAAGAAATGGATGGAAATCTTCAAAGAGTGTGATCAA  
 GACCGCTCAGGGAACCTTGAACCTACGAGATGCGCTTGGCAATAGAGAAAGCAGGCATCAGAAATGAACA  
 ACAGGGTGACTGAGGTGGTCTGTTGCTAGATATGCAGATGCCAACATGATCGTGGATTTTGACAACCTCAT  
 CAACTGTTTCTAAGGCTCAAGGCCATGTTTGCCTTCTTATCCATGGACACCAAGAAAACCTGGTTCT  
 ATTTGCCTGAATATAAACCAAGTGGCTGCACATAACCATGTGGGG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001002806  
**Insert Size:** 2148 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>NM_001002806.2, NP_001002806.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 2650 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2148 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 408218                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q4V8Q1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 9q12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Summary:</b>          | member of the serine protease family [RGD, Feb 2006]                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |