

## Product datasheet for **MC221149**

### Capn3 (NM\_001177799) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Capn3 (NM_001177799) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Capn3
Synonyms:	AI323605; Capa-3; Capa3; Lp82; p94
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221149 representing NM\_001177799  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCAACTGTTATTAGTCCAACCTGTGGCCCCAAGGACGGGGCTGAGCCAGGTCCCAGGGCCAGTTC  
 CTCACCCAGCTCAAGGCAAGACCACCGAGGCTGGAGGTGACACCCAAGTGGCATCTATTCGGCCATCAT  
 TAGCCGCAATTTTCCGATCATCGGTGTAAAGAGAAGACATTTGAGCAGCTCCGAGGAAGTGCCTAGAG  
 AAGAAAGTTCTTTATCTAGACCCCGAGTCCCACCGGATGAGACCTCTCTTTTACAGTCAGAAGTTCC  
 CCATCCAGTTCGCTGGAAGAGACCTCCGAAATTTGTGAGAATCCCGGTTTATCATTGGTGGAGCCAA  
 CAGGACTGACATCTGCCAAGGAGATCTAGGGGACTGCTGGTTTCTTGCAGCCATCGCTGCCTGACCCTG  
 AATGAGCGGCTGCTTTTCCGAGTTATACCCCATGATCAAAGTTTCACTGAAAACACGCAGGGATCTTCC  
 ACTTCCAGTTCGCGCTATGGAGACTGGGTAGATGTGGTCATTGACGACTGTCTGCCAACATACAACAA  
 TCAGCTGGTTTTACCAAATCCAACCACCGCAATGAGTTCGGAGTGTCTCCTTGAGAAGGCTTATGCC  
 AAGCTCCATGGCTCCTATGAAGCTCTGAAAGGTGGGAATACCACAGAAGCCATGGAGGACTTCACAGGAG  
 GGGTGACAGAGTTTTTGTAGATCAAGGATGCTCCGAGTGACATGTACAAGATTATGAGGAAAGCTATCGA  
 GAGAGGCTCCCTCATGGGCTGCTCCATTGACACAATTGTTCCAGTGCAGTATGAAACAAGAATGGCTGT  
 GGGTTGGTGAAAGGGCATGCCTATTCAGTCACTGGGCTGGAGGAGGCCCTGTTCAAAGGTGAGAAGGTGA  
 AGTTGGTGCAGCTGCGGAACCCCTGGGGCCAGGTGGAGTGAACGGCTCTTGGAGTATGGTTGGAAGGA  
 CTGGAGCTTTGTAGACAAAGATGAGAAGGCCCTCTACAGCACCAGGTTACTGAGGATGGAGAGTTCTGG  
 ATGTCATATGATGACTTCGTCTACCATTTACGAAGCTGGAGATCTGCAACCTCACAGCTGACGCCCTGG  
 AGTCCGATAAGCTTCAGACCTGGACGGTGTCTGTAACGAGGGCCGCTGGGTGAGGGGCTGTTCTGCTGG  
 AGGCTGCCGAAACTTCCAGACACTTTCTGGACCAACCCGAGTACCGTCTCAAGCTTCTGGAGGAAGAC  
 GATGACCTGAGGACTCTGAGGTAATCTGCAGTTCCTCGTGGCTCTGATGCAGAAGAACCAGCGCAAGG  
 ACCGGAAGCTGGGGGCCAACCTTCTCACTATTGGCTTCGCCATCTACGAGGTTCCCAAAGAGATGCACGG  
 GAATAAGCAACACCTGCAGAAGGACTTCTTCTGTACAACGCCTCCAAGGCCAGAAGCAAAACCTACATC  
 AACATGCGGGAGGTGCCAGCGCTTCCGCTGCCACCCAGCGAGTATGTCATCGTACCCTCCACCTACG  
 AGCCCCACCAGGAGGGGAATTCATCCTCCGAGTCTTCTCCGAAAAGAGGAATCTCTGAGGAAGCTGA  
 AAATACAATCTCTGTGGATCGGCCAGTGCCAAGGCTGGCCACACAGACCAGGAAAGTGAAGGAGCAGCAG  
 CAATCCGGAACATCTTCAGGCAGATCGCAGGCGACGACATGGAGATCTGTGCAGATGAACTCAAGATG  
 TCCTCAACACAGTGGTGAACAAACAAGGACCTGAAGACACAAGGGTTACGCTGGAGTCTGCAGAAG  
 CATGATAGCTCTCATGGATACAGATGGCTCTGGAAGACTGAATCTTCAAGAGTTCATCACCTCTGGAAA  
 AAGATCAAGGCTGGCAGAAAATCTTCAAGCACTATGACACAGACCATTCCGGTACCATCAATAGCTATG  
 AGATGCGAAATGCAGTCAATGATGCAGGCTTCCATCTCAACAGCCAACCTATGACATCATCACCATGCG  
 CTATGCGGACAAACATGAACATCGACTTTGACAGCTTCATCTGCTGCTTGTGTCAGGCTGGAAGGGATG  
 TTCAGAGCTTTTAAACGCATTTGACAAGGATGGCGATGGTATCATCAAACCTGAATGTACTTGAGTGGCTGC  
 AGCTTACCATGTATGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001177799

**Insert Size:** 2190 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_001177799.1</a></u> , <u><a href="#">NP_001171270.1</a></u>
<b>RefSeq Size:</b>	2891 bp
<b>RefSeq ORF:</b>	2190 bp
<b>Locus ID:</b>	12335
<b>UniProt ID:</b>	<u><a href="#">Q64691</a></u>
<b>Cytogenetics:</b>	2 60.31 cM
<b>Gene Summary:</b>	Calcium-regulated non-lysosomal thiol-protease.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (c) lacks several alternate, in-frame coding exons, compared to variant a. The resulting protein (isoform c) is shorter when it is compared to isoform a.