

Product datasheet for **MC221057**

Capn11 (NM_001013767) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capn11 (NM_001013767) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Capn11
Synonyms:	calpain, protease
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221057 representing NM_001013767
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGAACACTCAGACATCTCTTGGGCTGAAAAAGGAATGGTGGCTACCATAAACCACTCCAGGCTCA
 AGGACAAGGGCGTGGGCCAACACCAAAATGCCTACAACATAAGAATCAGAACTATGAGGACCTTCGAGC
 AGAGTGTCTCAGGAAGGGGAACTGTTCTGAAGACCCCTTTTCCCTGCTGAACCCAGGTCTATCGGTGTC
 AAGAACCTGGGCCCAACTCTGAACACATGCAGAATATCTACTGGCAGCGGCCAAAGGATATCATTATA
 ACCCCCAGTTCATCACGAATGACTTCTCTCCACGGACATCTGCCAAGGGATCCTGGGGGACTGCTGGCT
 CCTGGCTGCCATTGGCTCCCTTACCACCTGCCCAAACTGCTGTACCGTGTGGTGGCCAGAAATCAGAGC
 TTCAAGAAGAACTATGCTGGCATCTTCCACTTTCAGCTTTGGCAGTTTGGGCACTGGTTGAACGTGGTCG
 TGGACGACCGGCTGCCACTAGGAACAACAAGCTGGTATTCGTGCACGCCTCCATCGCCAGGATTTCTG
 GAGCGCCCTGCTGGAGAAGGCCTACGCCAAGCTGATCGGATCCTACGGAGCGCTGTCTGGAGGCAGCACT
 TTGGAGGGTTTGAAGATTTACAGGCGGCGTAGCACAGTGCATTCCGCTCCAGAAGCCCCCTGGCAACA
 TGCTAAGGCTCCTCAAGAAAGCCCTGGAGAAGTCTTCCCTCATGGGCTGTTCCATTGAAGTCACAGACAA
 TAGTGAAGTAGAAACCATGACACATAACATGCTGGTGGGAGGACATGCTTATGCAGTGACTGGCCTAGAG
 GATGTCTACTACAGAGACAAGTTGGAACTCTAATTCCGATCCAAAATCCTTGGGGTCGGGTTGAATGGA
 ATGGAGCCTGGAGTGACAAAGCCACAGAGTGGGAAGAGGTGAGCCAGATGTTCCGGTACAGCTGCTACA
 CAAGAAGGATGATGGCGATTTCTGGATGTCCTATGAAGACTTCATGAGCAACTTTACACTGCTGGAGATC
 TGCAACCTCACCCGGATGCCCTCAACACCTGGGATTACAAGAGCCGCTGGCACTCCACCTTCTATGAGG
 GCAGCTGGCGAAGGGGAAGCACTGCAGGGGGCTGCAGAAACACCCGGAGACGTTCTGGAGCAACCCCCA
 GTTCAAGATCTCTCTCCCGGAAGTGGATGACCCAGAGGATGACTCTGAGAAAAACGAAATGGTTTGCACC
 TGTCTGGTGGCACTGATGCAGAAGAACTGGAGACATGCTCGAGAGGGACCCAGCTCCTCACCATAGGCT
 TTGTCTCTTCTCGGTCCCAAGGAGTTTCAGAACCTCCGGGACATCCACCTTAAGAAAGACTTCTTCTT
 GAAATACCGGGACACGGCTTTTCAGAGATCTTCATCAACTCGAGGGAGGTGAACAGCCATCTCCGGCTG
 CCCCCGGGGGAATACGTATTATCCCTCCACCTATGAGCCCCATAAAGATGCTGACTTCTGCTTCGGG
 TCTTCACGGAGAAACACAGTGAGACCTGGTTGCTGGATGACGCCAACCGGTTTGAACATCTCAAGAGGA
 GACTGTCACTGACAAGGATTTGGACAAGGATTCTTTCAGCTGTTTAAGATAATGGCAAACGAGGATGGC
 GAAGTGGATATGTATGCACTACACAACTTCTCAACAGGATGACAGCTAAATTAAGGAATTCAGACGA
 AGGGCTTTAGCTTGGAAGTCTGTGCGCCGATGATCAACCTCCTGGATAAAGATGGTTCTGGCAAGCTGGA
 GCTTCATGAATTCCAGGTCTGTGGAAAAAGATCAAGAAATGGACGGAAATCTTCAAAGAGTGTGATGAG
 GACCGCTCAGGGAACCTTGAACCTATGAGATGCGCCTGGCAATAGAGAAAGCAGGCATCAAGATGAACA
 ACAGAGTGACCGAGGTAGTCGTTGCCAGGTACTCGGATAACATGATTGTGGACTTTGACAGCTTCTCAA
 CTGTTTCTGAGGCTCAAGGCCATGTTTGCCTTCTTATCCATGGACACCAAGAAAACCTGGTTCTATT
 TGCTTGGATATTAACCAAGTGGCTGCAAATAACCATGTGGGGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001013767

Insert Size: 2145 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).

Components:	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).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001013767.2, NP_001013789.1</u>
RefSeq Size:	2575 bp
RefSeq ORF:	2145 bp
Locus ID:	268958
UniProt ID:	<u>Q6J756</u>
Cytogenetics:	17 C
Gene Summary:	Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.[UniProtKB/Swiss-Prot Function]