

Product datasheet for **MC220975**

Capn1 (NM_007600) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capn1 (NM_007600) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Capn1
Synonyms:	Capa-1; Capa1; mu-calpin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220975 representing NM_007600
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAGAGGAGTAAATCACCCCTGTGTACTGCACCGGGGTGTCAGCCCAAGTACAGAAGAAGCGGGACA
 AGGAGCTGGGCTTGGGCCGCCATGAAAACGCCATCAAGTACCTGGGCCAGGATTATGAAACGCTTCGGGC
 AAGATGCCTGCAGAGTGGGGTCTCTTCCAAGACGAGGCCTTCCCTCCGGTTTTCATAGCCTGGGCTTC
 AAGAACTGGGTCTCATTCTCTAAAACCTATGGCATCAAATGGAAGCGGCCTACGGAAGTATGTCAA
 ACCCCCAGTTCATCGTGGATGGAGCCACCCGGACAGACATCTGCCAGGGAGCACTGGGGACTGTTGGCT
 CCTGGCTGCCATTGCCTCCCTCACCTCAACGAGACTATTCTGCACCGAGTGGTTCCTACGGCCAGAGC
 TTTCAGGATGGCTACGCTGGCATCTTTCAATTCAGCTGTGGCAGTTCGGGGAGTGGTTCGACGTGGTCA
 TAGATGACTTGTGCCACCAAGGACGGGAAGCTGGTGTTCGTGCACTCTGCCAGGGCAACGAATCTG
 GAGCGCACTGCTGGAGAAAGCCTATGCTAAAGTGAATGGCAGCTATGAGGCTCTTTCGGGAGGCTGCACC
 TCAGAGGCCTTCGAGGACTTTACCGGTGGGGTCACTGAGTGGTACGACCTGCAGAAGGCCCCAGCGACC
 TCTACCAGATCATTCTAAAGGCCCTGGAACGAGGCTCCTTGTGGGCTGTCCATTAATATCTCCGATAT
 CCGTGATTTAGAGGCTATTACTTTAAGAACCTGGTGAGGGGCCATGCGTACTCTGTGACGGGCGCCAAG
 CAGGTAACCTACCAGGGCCAGCGGGTGAACCTAATCCGGATGCGGAACCCCTGGGGTGAAGTGGAGTGGAA
 AAGGACCTGGAGTGACAGCTCCTATGAGTGGAAACAAAGTGGACCCTATGAACGAGAGCAGCTGAGGGT
 CAAGATGGAGGATGGGGAGTTCGGATGTCGTTCCGAGACTTCATCCGTGAATTCACCAAAGTGGAAATC
 TGCAACCTTACACCGGACGCCCTAAGAGCAGGACCCTCCGGAATTGGAATACCACATTTTACGAGGGCA
 CCTGGCGTCCGGGAAGCACCGCTGGAGGCTGCAGGAACCTACCAGTACCTTCTGGGTAACCCCCAGT
 CAAGATCCGGTTGGAGGAGGTGGATGACGCAGACGACTATGACAACCGGGAGTCCGGCTGCAGCTTCTTG
 CTGGCCCTCATGCAGAAACACCGCCGACGGGAGCGTTCGTTTGGCCGGGACATGGAGACCATCGGTTTTG
 CAGTGTACCAGGTCCTCGGGAGCTGGCGGGTCAAGCTGTGCACTTGAAGCGTGATTTCTTCTGGCCAA
 CGCTTCTCGGGCGCAGTCAGAGCACTTCATCAACCTTCGGGAAGTCAAGCAACCGTATCCGCTGCCGCC
 GGGGAGTACATAGTGGTCCCTCCACCTTCGAGCCCAACAAGAAGGGGACTTCTGTGCGCTTCTTCT
 CAGAGAAGAAGGCTGGGACCCAGGAAGTATGACAGATCCAGGCCAACCTCCCTGATGAGAAAGTTCT
 CTCTGAAGAGGAGATTGATGACAACCTCAAGACCTTGTTCAGCAAGTGGCAGGGGATGACATGGAGATC
 AGCGTCAAGGAGTACAGACCATCTTGAACAGGATCATTAGCAAACACAAGACCTGCGCACTAATGGCT
 TCAGCCTGGAGTCGTGCCGAGCATGGTGAACCTCATGGATCGAGATGGCAACGGGAAGCTGGGTCTGGT
 GGAGTTCAACATCCTGTGGAACCGCATCCGAAATTACCTGACCATCTCCGGAAGTTTGACCTGGACAAG
 TCTGGCAGCATGAGTGCCTATGAGATGAGGATGGCCATCGAGGCTGCAGGCTTCAAGCTTAAACAAGAAGC
 TGCATGAACCTATAATCACCCGCTACTCGGAGCCCGACCTGGCCGTGGACTTTGACAACCTTGTGTGCTG
 TCTTGTGCGGCTGGAGACCATGTTCCGGTTTTTCAAACCTCTGGACACAGACCTGGATGGTGTGTGACC
 TTTGATCTATTTAAGTGGCTCCAGCTGACTATGTTTGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_007600

Insert Size: 2142 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:	<ol style="list-style-type: none">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.
RefSeq:	<u>NM_007600.3, NP_031626.1</u>
RefSeq Size:	3119 bp
RefSeq ORF:	2142 bp
Locus ID:	12333
UniProt ID:	<u>O35350</u>
Cytogenetics:	19 4.34 cM
Gene Summary:	<p>Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>