

Product datasheet for **MC220609**

Capn8 (NM_130890) Mouse Untagged Clone

Product data:

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|---------------------------|----------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Capn8 (NM_130890) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Capn8 |
| Synonyms: | nCL-2; nCL-2' |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC220609 representing NM_130890
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGCCCTGGCAGCTGGAATATCCAAGCAACGTGCAGCTGCTCAGGGCCTTGCTCTAACAGAATG
 CTGTGAAGTATCTGGGCCAGGACTTCGAGACCCTGAGAAAAGCAATGCTTGAAGTACAGGGTCTATTAA
 AGACCCGGAATCCCGCATGTCCGTACAGTTTGGGCTACAGGGATCTTGACCAGGCTCTGCAGAACT
 CAAGGCATCATATGGAAGCGACCCACGGAATTGTGTTCCAACCTCAGTTTATCGTTGGTGGAGCCACAC
 GCACAGACATCCGCCAGGGGGTCTTGAGACTGTTGGCTTCTGGCAGCCATTGCCTCCCTCACCTGAA
 TGAAGAGCTGCTTATCGAGTGGTTCCTAGAGACCAGAGCTTCCAGAAGAACTATGCTGGCATTTCAT
 TTCAGTCTGGCAGTATGGAGAGTGGGTGGAGTGGTTCATTGATGACCGGCTCCCAACAAGAATGGAC
 AGCTGCTCTTCTACACTCCGAAGAAGGCAATGAGTCTGGAGTCTGCTGGAGAAAGCTATGCCAA
 GCTCAATGGTTCGTATGAGGCTCTTGTGGAGGCTCCACAATTGAGGGGTTTGGAGATTCACGGGTGGC
 ATCTCTGAGTTTTATGACTTGAGGAAGCCTCCGGGCAATCTGACTACACCATCCAGAAGGCCCTGCGCA
 AAGGCTCTGCTGGGCTGCTCCATTGATGCTCAAACGCAGCCGAAGCAGAAGCCACCACAGGCAAAA
 GCTGGTTAAGGGCCACGCATACTCTGTGACTGGAGTGAAGAGGTGGATTCCTGGCCTCCAGAGAAG
 CTGATCAGGTTGAGGAACCCGTGGGGTGAAGTGGAGTGGACGGGAGCCTGGAGTGATAGTGCACCTGAGT
 GGAATTACATAGATCCACAGAAGAAGGGAGAAGTGGACAAGAGAGCAGAAGATGGGGAGTTCTGGATGTC
 CTTTTCGGATTTCTGAAGCAGTCTCCCGACTAGAGATATGCAACCTGTCCCAGACTCTGAGCAGT
 GAGGAGATACACAAATGGAACCTGGTACTCTTCAACGGCCGCTGGACACGGGGTCTACAGCCGGGGCT
 GCCAGAACTACCCAGCCACTTACTGGACCAACCCCAAGTTTAAATCCATTTGGACGAGGTGGATGAGGA
 CCAGGAGGAGGGCACAGTGAACCTGCTGTACAGTGTGCTGGTCTGATGCAGAAGAATCGCAGACGT
 CAGAGGAGGATCGGCCAGGGCATGCTCAGCATAGGCTATGCTGTCTACCAGATCCCAAGGAGCTGGAGA
 ATCACACCGATGAGCACCTGGGCCGGGATTTCTCCAGGGCCGCCAGCCCTCCACCTGCTCCAGCACCTA
 CATGAACCTTCGAGAGGTGTCCAGCAGGGTCCAACCTCCCCAGGACAGTACCTGGTGGTCCATCCACC
 TTTGAGCCCTCAAGGACGGTGACTTCTGCCTGAGGGTGTCTCGGAGAAGAAGGCCAGGCTCTAGAAA
 TTGGGGACGCTGTTGCTGGAGACCCACATGAGCCACATCCCGTGACATGGATGGAGAAGATGAGCACTT
 CTGGAGCCTGCTGAGGAGTTTGGGACAAGGATTCTGAAATCAGTGTCTACCAGCTCAAGAGGGTCTGT
 AATGGATTGCTTTCTAAACGAACAGACATGAAATTTGACGGATCAACATCAACACTGCAGAGAAATGA
 TCAGCCTGCTGGATGGTATGGGACAGGAAGCCTGCGACCGGTGGAGTTCAAGACTCTCTGGCTGAAGAT
 CTGCAAGTATCTGGAGATCTACCAAGAAATGGACCACAGCCGTGCAGGGACCATTGATGCTCACGAGATG
 AGGACAGCTCTCAAGAAAGCAGGTTTACCCTCAACAACCAGGTGCAGCAGACCATTGCCACGAGGTATG
 CATGCAGCAAGCTTGGTGTGACTTTGACGGCTTTGTGGCTTGTATGATCCGCCTGGAGATCCTGTTCAA
 ATTGTTCAGACTCTGGATAAGGACCAGAATGGCATTGTACAGCTCTCCCTGGCTGAGTGGCTGTGCTGT
 GCACTGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_130890

Insert Size: 2112 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).

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| 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_130890.2</u> , <u>NP_570960.2</u> |
| RefSeq Size: | 2411 bp |
| RefSeq ORF: | 2112 bp |
| Locus ID: | 170725 |
| UniProt ID: | <u>Q91VA3</u> |
| Cytogenetics: | 1 H5 |
| Gene Summary: | Calcium-regulated non-lysosomal thiol-protease (By similarity). Involved in membrane trafficking in the gastric surface mucus cells (pit cells) and may involve the membrane trafficking of mucus cells via interactions with coat protein. Proteolytically cleaves the beta-subunit of coatomer complex.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1). |