

Product datasheet for **RN204170**

Capn13 (NM_001025133) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capn13 (NM_001025133) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Capn13
Synonyms:	CANP 13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204170 representing NM_001025133
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCACATGACACAGAGGCTCTAGAAGAAACCTCCGTGGTCAAGTTCAAGAACCAGGACTTTAGATTCT
 TACGGGATCGTTGCCTGAGCAGGGGTCACTGTTTATAGATGATACATTCCTGCTGAGGCATCTCCAT
 TGCCAGAAACTGCTCATGGGAAAGCGCCTTCCAAAATTGGAGTGAAGCGACCACAGGATTTATCTTC
 GGCCCCCTCACTTATTCTGGAAGGTGAAGCAGATTTGACATCCAACAAGGAAGAGCGGGAGACTGCT
 GGTTCTGGCAGCACTGGTTCTCTGACCCAGAACCCGAGTGTCTGCAGAAGATCCTGATGAACCAAAG
 CTTTTCTGACCAGTACGCTGGGATTTCCACTTCCGGTCTGGCAGTGTGGTCACTGGGTGGAAGTAGTC
 ATCGATGACCGCTGCCTGTCGTAGGCAACAACCTCTGCTTTGTGCATCCTCGCAGAGGCAACCAAGAAT
 TCTGGCCCTGCCTGATGGAGAAAGCCTATGCCAAGCTGCTAGGCTCATATCCCAATTACACTATGGCTA
 CCTTCTGATGCGCTGGTGGACCTCACAGGAGGAGTGGTACCAGGATCAACCTGCACTCCTCTCCCTCT
 GACCTATTGATGGTAGTGAAGACCGCAGTCCAGACAGGCTCAATGGTGGCCTGTGCCACCCCAAAGTGGC
 TGACAGAAGAGTCCGAGGTTATGGAGAATGGGCTGGTGAAGCCAGCATGCATACACAGTACTGGAGCTGA
 GAAGATTCAGTACCGGAGGGGCTGGGAAGAAATCATCCGCCTTTGGAACCCCTGGGGCAACACAGAATGG
 AGAGGCCGCTGGGGAGATGGGTCCCAGGAGTGGTGGGAAACCCATGGCTCACGAAAAGCCAGCTGTACG
 AGAATAAGGATGACGGCGAGTTTTGGATGTCCTGTGAGATTTCCATGAGAACTTCTCGTGCCTGTACAT
 ATGTAGCCAGTCCCAGTCACTATGGATCCTGGAGTCAACCCATGAGAGCTGGCGACAAATGAGGTTT
 AAGAACCAAGTATCTCAGGAAACACAGCAGGAGGAGATGGAAGGGATATACAGTACCTCTTTGACGTTT
 AAGAGCCATGGATGGTAACAATGTCATTGTGGCTTTACAGTCAAGTCCACAAAAGCCTGAAGACAGAAGA
 GTGGCCATTTCCACTACAGTCCAGGTGTTCAAGGTGGATCCAGTCCAGAAAGTCCAGAAAAGACTG
 CCACCTGCATTTTTCTCCAATTCAGAGATGCTGCCAGGGAATAGACTATGTAACCAAACGCAACTTCA
 CAAAGTCTTCCACTGAGTCTGGGACCTATGTAGTGGTTCCTCAGCACACGGGAAAGAGTGGAGTT
 CCTGCTCCGAATATTCTCAAAATGCCACACAAGGACAGGAATCCAAACAGCAGTTTCAACCTCAAAGCC
 CTCAAGGGAAGTCTTTCAGAAAACGAATCCCCAAAAGCAGTTTCCACAGATATATGGATCAGGGGCTAG
 ACATTGATGCCAGCACTTCCAGAGCCTTCTCAACCAGGAGTACCTAACAGGGCCCCAGGGGACACTTT
 CTCCTTGGACCAGTGCCAAAGCATCATGGCACTGATGGATCTGAAAGTGAATGGGCGCTGGATCGGGAG
 GAGTTTGAAGACTACAGAGTCCGCTGATCCACTGCCAGCATGTTTTCCAGCACATCCAGAGGAGCCAAG
 GAGTTCTCCGAGCTCGGACTTATGGGAGTCAAGAGTACAGACTTCTTTCCAGGAGTCTCCTCAG
 CAAGGAGCTGCTGAGTCTTATGACACTCAGGTACAGTATAGCTCTGGCCGGCTCAGTTTCCCAGTCTT
 GTCTGTTCTGATACGGCTGGAAACCATGTCAAAGGCATTCCGCAACCTCTCCAAGGATGGCAAAGCA
 TCTACCTGACAGAAATGGAGTGGATGAAGCTGGTCAATGTACAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001025133
- Insert Size:** 2007 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.

RefSeq: [NM_001025133.1](#), [NP_001020304.1](#)

RefSeq Size: 2659 bp

RefSeq ORF: 2007 bp

Locus ID: 362701

UniProt ID: [Q5BK10](#)

Cytogenetics: 6q13

Gene Summary: Probable non-lysosomal thiol-protease.[UniProtKB/Swiss-Prot Function]