

Product datasheet for **RN217108**

Capn9 (NM_001271140) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capn9 (NM_001271140) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Capn9
Synonyms:	Ncl-4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217108 representing NM_001271140
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTTACCTGCATCGGTCCCTGAGACCCAGCCACAGCCAGTCCCCAGGGATGCCAGGACTGTCCACT
 CCTCGGGCCACAGCTTTGAGCAGCTGAGGCAAAGCTGTCTGCAGTCGGGCACCTGTTTGAGGATGCTGA
 CTTCCCTGCCAGCAATAGTTCAGTGTCTACACGAGAGGCCCCAGTCCCTTTGTGTGGAAGCGGCCA
 GGGGAAATTGTGAAAACCCAGAATTCATTCTGGGAGGGGCCACAGGACCGACATCTGCCAAGGGGAAC
 TGGGAGACTGCTGGCTCTGGCCGCCATTGCCTCCCTAACCTCAATCAGAAAGCACTGGCCAGAGTGGT
 ACCCCAGGACCAAGGATTTGGTTCTGGCTATGCTGGGATATTTCACTTCCAGTCTGGCAGCACAGTGA
 TGGCTGGAGCTGGTGATTGATGACCGCTGCCTACCTTCGGGATCGCTGGTCTTCTCCACTCTGCCG
 ACCACAATGAGTCTGGAGCGCACTGCTGGAGAAAGCCTATGCCAAGCTGAACGGGAGTTACGAGGCACT
 GAAGGGGGCAGCGCCATCGAAGCCATGGAGGACTTCACCGGGGTGTGGCTGAGAACTTCAAATCCGA
 GAGGCACCAGAGGATTTCTACGAGATTCGGAGAAGGCCCTGCGGCGTGGTTCCTTGGCTGGCTGCTCCA
 TAGATACCTGAATGCCTCAGAATCTGAAGCCCGCACACCTTTGGGCTCATTAAAGGGCCATGCCTACAC
 TGTGACTGGACTCGACCAGGTAACCTCCACGGCCAGAGAATCAAGCTCATCAGAGTCCGTAACCCCTTGG
 GGCCAGGTGGAATGGAACGGGCCATGGAGCGACAGCTCTCCTGAGTGGCGCTCCATGAGCCTGGAGGAGC
 AGAAGCGCCTAGTGCACACCGCCCTTGACGATGGAGAATCTGGATGGCATTGAGGACTTCAAGACCCA
 TTTTGACAAAGTGAGATCTGCAACCTCACGCCTGATGCCCTGGAGGACAACCCCTCCACAAGTGGGAG
 GTGACCATCCACAAGGAAGCTGGTTCGTGGCTCCACCGCCGGCGCTGCCGCAACTTCTGGACACCT
 TCTGGACCAACCCACAGATAAAGCTGTCTCTGACAGAGAGGGATGAGGGCCAGGAGGGCTGCACCTTCT
 AGCAGCCTTGATGCAGAAAGACCGCAGGAGGCTCAAGAGGTTTGGTGCCAACATGCTGACCATTGGCTAT
 GCCATTTACCAGTGCCAGACAAGGACGGACACCTGAATAGGGACTTTTTTCAGGTACCATGCCTCTCTGG
 CCCGAAGTAAAGACATTCATCAACTTGAGAGAAGTCTCAGGCCGCTTCCAGCTGCCCCGGGAGACTATAT
 CCTCATCCCCAGCACCTTTGAGCCACACCAGGAGGCTGACTTCTGCCTGAGAATCTTCTCTGAGAAGAAA
 GCTGTTACTCAGGACCTGGATGAGAACATAGACATTGACCTTCTGAGCTTCAAAGCCGACACCACAGG
 AGGAGGAAACCGAAGAGGAGCGGAGTTCGGGCCCTGTTCCGTCGAATTGCTGGTGAGGACATGGAGGT
 GTCAGCAGAAGAGCTTGAATATGTTCTAAATGCTGTTCTGCAAAAAGAAAACAGCCCTCAAGTTCAAGAGG
 CTGAGCCTGCTTCTGCAGAAACATTATCTCCCTGATGGACACCAGCGCAACGGGAAGATGGAGTTCCG
 AAGAGTTCGGGTGTTCTGGGACAAGCTGAGGACTGGATGGACCTGTTTCTCCAGTTCGATGTGGACAA
 GTCCGGCACCATGTCTTCTATGAGTTGCGGACAGCACTGAAAGCTGCAGGCTTTCAGCTGGGTAGCCAT
 CTCTGACAGTGCCTCCTCAGGTATGCAGACGAGAACCTCCAGCTGGATTTCCGATGACTACCTCAACT
 GCCTGGTGGGCTGGAGAATGCGAGCCGGGTGTTCCAGTGTCTCAGTGTGAAGAACAAGGACTTCATCCA
 TCTCAACATAAACGAGTTCATCAACTTGACCATGAACATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271140
Insert Size: 2073 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001271140.1</u> , <u>NP_001258069.1</u>
RefSeq Size:	2434 bp
RefSeq ORF:	2073 bp
Locus ID:	116694
UniProt ID:	<u>O35920</u>
Cytogenetics:	19q12
Gene Summary:	member of the calpain large subunit family; predicted to have calpain cysteine protease activity [RGD, Feb 2006]