

Product datasheet for **MR208166**

Capn7 (BC095980) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capn7 (BC095980) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Capn7
Synonyms:	AU022319; PalBH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208166 representing BC095980
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACGCGTCGGCGCTGGAGCGGGACGCCGTGCAGTTCGCGCGCTGGCAGTGCAGCGCACCACGAAG
 GCCGCTACTCTGAGGCGGTGTTTTACTACAAGGAAGCTGCCAAGCTTTAATTTATGCTGAGATGGCAGG
 ATCCAGCCTAGAAGGATCCAAGAGAAGATCAATGAGTATCTGAAAGAGTGCAAGCCCTTCACTCTGCA
 GTTCAGTCAAAGAGTACTGATCCTTTGAAATCAAAACACCAGTTGGATCTAGAACGTGCCATTTTCTTG
 TTACACAAGCTTTTCGATGAAGATGAAAAGGGGAATGTGGAAGATGCCATAGAATTATACAGAAGCTGT
 GGAACCTGTCTAAAACCTCTTCTGAACTGCTGACAAGACTCTGAAAATAAATTGAAACAGTTGGCT
 CGACAGGCACTAGATAGAGCAGAAGCATTGAGTGAACCTTTGACAAAGCCATTTTGCAAACCTCAAGTCAG
 CAAATATGAAAACAAAGACTCCTCCAGTAAGAACACACTTTCTCTAGGACCTAATCCTTTCTGTTGAAAA
 GCCTCAAGCATTATAAGTCCACAGTCATGTGATGCGCAAGGACAGAAGTACACAGCAGAAGAGATAGAA
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 AACTCATTGAGATGCTTTATCAAGATTTTACAAAGGAGATGTCCTCATCACCCATCGACGGGAGTAA
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 GTTCAAGGTTATGCCTTATAATTTTCTTATTGTTTCTTGATTGATAAGATGTTACAGTATTGCAAT
 GATGGTCAGACTTTAGAGCCATCCTATGAGTGTAAACAGCCAGACTCTACCAT

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208166 representing BC095980
 Red=Cloning site Green=Tags(s)

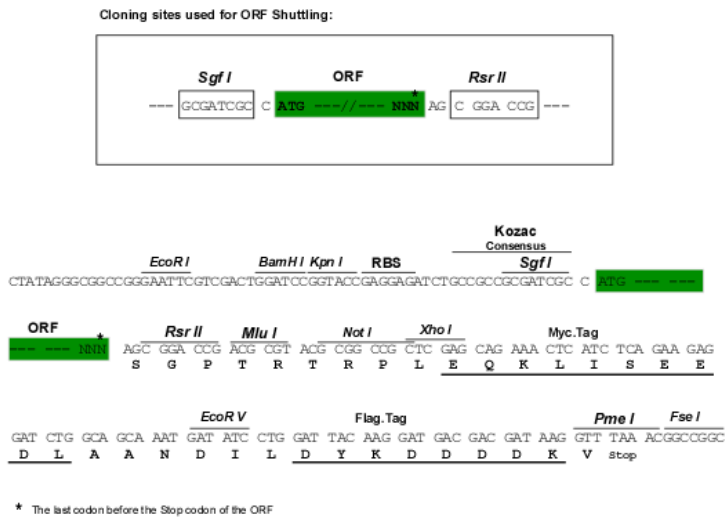
MDASALERDAVQFARLAVQRDHEGRYSEAVFYKAAQALIYAEMAGSSLERIQEKINEYLERVQALHSA
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 RQALDRAEALSEPLTKPFCKLKSANMKTKTPPVRTHFPLGPNPFVEKPQAFISPQSCDAQGQKYTAEEIE
 VLRRTTSKINGVEYVPMFMSVDLRERFAYPMPFCDRLGKLPSPKQKTFKSWVRPEDLTNNPTMIYTVSSF
 SIKQTIIVSDCSFVASLAISAA YERRFNKLLITSIYYPQNKDGEPEYNPCGKYMVKLHLNGVPRKVIIDDQ
 LPVDHKGELLCSYSNNKSELWVSLIEKAYMKVMGGYDFPGSNSIDLHALTGWIPERIAMHSDSQTFSKD
 NSFRMLYQRFHKGDVLI TASTGVMTEAEGEKWGLVPTHAYAVLDIREFKVMPYNFLLFVFLIDKMLQYCN
 DGQTLLEPSYECKQPRLYH

SGP**TRRRLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



ACCN: BC095980

ORF Size: 1524 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC095980](#)

RefSeq Size: 4672 bp

RefSeq ORF: 1526 bp

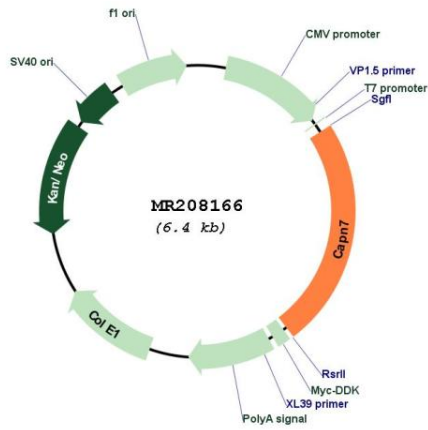
Locus ID: 12339

Cytogenetics: 14 B

MW: 171.3 kDa

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

Product images:



Circular map for MR208166