

Product datasheet for **MR219091**

Cpne7 (NM_170684) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpne7 (NM_170684) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpne7
Synonyms:	AW047065
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR219091 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGCGACTCGGAGCGCGGTGGCCCCGGGGTGGTGCCTGCACCCTGCGCCTCGAAGTGGAGC
 TCGCGGTGAGCTGCCGGCACCTGCTGGACCGGGACCCATTGACCAAGTCCGACCCAGCGTGGTGCCTGCT
 GCAGCAGGCACAGGGCCAGTGGCTACAGGTGGACAGAACAGAGGTGGTGAAGAGCAGCCTGCATCCTGTG
 TTCTCCAAGTCTTCACTGTCGACTACTACTTCGAGGGGGTGCAGAAGCTACGGTTTGAGGTGTATGACA
 CCCACGGGCTAGTGGGCTGACTTGCCAGGATGATGACTTCTAGGGGGCATGGAGTGTACCCTGGGTCA
 AATTGTGGCCAGAAGAAGATGACACGGCCATTGCTGTTGCGATTTCGGCAGGAATGCTGGCAAGTCCACC
 ATCACGGTGATAGCAGAGGACATCTCTGGGAACAACGGCTATGTGGAGCTCTCCTCCAGGCCCGGAAAC
 TGGATGACAAGGACCTCTTCAGCAAGTCGGACCCCTTCTAGAGCTGTATCGGGTAAATGACGACGGGAG
 TGAGCAGCTCGTGTACAGGACAGAGGTAGTGAAGAACAATCTTAACCCAGTGTGGGAACCCCTCAAGGTG
 TCCTGAATTCACCTCTGCAGCTGCGAGGAGACACGGCCTCTGAAGTGCCTGGTCTGGGACTATGACTCCC
 GAGGAAAGCATGACTTCATTGGCGACTTACCACCACGTTTCGAGAGATGCAAGAAGGCCCTTTGAGGAGGA
 GCAGCAGGCCAGTGGGACTGTGTGAATGCCAAGTACAAACAGAAGAAGCGCAATTACAAGAATTCGGGG
 GTGGTGATCCTGGCAGACCTGAAGCTCCACAGGGTCCACTCCTTCTGGATTACATCATGGGTGGCTGCC
 AGATCCACTGTACGGTAGCCATCGACTTACAGCCTCCACGGTGACCCGAGGAACAGCTGCTCCCTCCA
 CCACATCAACCTTACCAGCCCAACGAGTACCTGAGGGCATTGGTGGCAGTGGGCGAGGTCTGCCAGGAT
 TATGACAGTGACAAGCGGTTTTCTGCTCTGGGATTTGGAGCCCGATCCCTCCCAAGTATGAGGTGCC
 ACGACTTTGCCATCAATTTCAACCTGAGGACGATGAGTGTGAAGGAATCCAGGGCGTGGTGGAGGCCTA
 CCAGAACTGCCTGCCGAAGGTTACGCTCTACGGCCCCACCAACGTGGCACCCATCATCTCTAAGGTGGCC
 CGCATGGCAGCGGCTGAGGAGAGCACAGGAGAGGCTTCTCAATATTACATACTGCTGATCCTCACGGACG
 GTGTGGTGACGGATATGTCGGACACTCGAGAGGCCATTGTGCGTGCCTCCACCTGCCATGTCTGTGAT
 CATTGTTGGGGTGGGCAACGCTGACTTACAGATATGCAAATCTTAGACGGGGATGATGGAGTCTGCGT
 TCCCCACGGGGCAGCCTGCACTCCGGGACATCGTTAGTTTGTGCCCTCCGTGAGCTAAAGAACGCAT
 CCCCCGACGACTGGCCAAGTGTGTGTTGGCCGAGGTGCCAAAGCAGGTGGTTGAATACTACAGCCACAA
 GGAGCTGCCTCCTCGAAGCCTTGGCGCCAGACTGGAGAGGCTGCTGCCAGCTCAGCGCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219091 protein sequence
 Red=Cloning site Green=Tags(s)

MSGDSERAVAPGVVPAPCASKVELRLSCRHLLDRDPLTKSDPSVLLQQAQGWLQVDRTEVVKSSLHPV
 FSKVFTVDYDFEGVQKLRFVYDTHGPSGLTCQDDDFLGMECTLGQIVAQKMRPLLLRFGRNAGKST
 ITVIAEDISGNNGYVELSFQARKLDDKDLFSKSDPFLELYRVNDDGSEQLVYRTEVVKNNLNPVWEPFKV
 SLNSLCSCEETRPLKCLVWDYDSRGKHDFIGDFTTFAEMQKAFEEEQQAQWDCVNAKYQKKNRYKNSG
 VVILADLKLHRVHSFLDYIMGGCQIHCTVAIDFTASNGDPRNSCSLHHINPYQPNEYLRALVAVGEVCQD
 YSDKRFSGALFGARIPPKYEVSHDFAINFNPEDDECEGIQGVVEAYQNCLPKVQLYGPNTVAPIISKVA
 RMAAAEESTGEASQYYILLILDGVTDMSDTREAIVRASHLPMSVIIIVGVGNADFDMQILDGDDGVLR
 SPRGEPALRDIVQFVFPRELKNASPAALAKCVLAEVPKQVVEYVSHKELPPRSLGAQTGEAAASSAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_170684

ORF Size: 1674 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: [NM_170684.2](#), [NP_733785.1](#)

RefSeq Size: 2421 bp

RefSeq ORF: 1674 bp

Locus ID: 102278

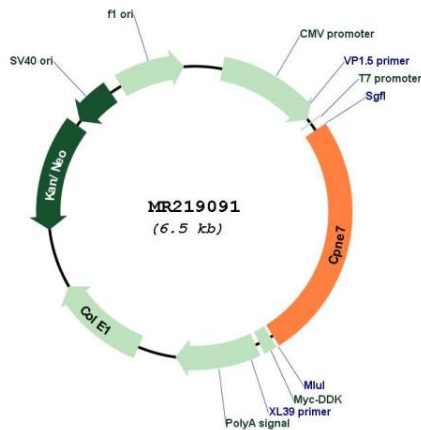
UniProt ID: [Q0VE82](#)

Cytogenetics: 8 E1

MW: 61.9 kDa

Gene Summary: Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene is one of several genes that encodes a calcium-dependent protein containing two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MR219091