

Product datasheet for **MR223082**

Cpne8 (NM_025815) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpne8 (NM_025815) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpne8
Synonyms:	1200003E11Rik; 1500031E20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223082 representing NM_025815
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTGGGCTCGGACAAGTGCTCCGTTCTCAGCTCGAGATGGACAGCCGCTACACCAGCGCCACGGGCA
 TCGGGGACTTGAACCAGCTGAGTGGGCCATCCCGCCACACGAGTGGAGGTGTCAGTGTCTGCAGAAA
 TCTCCTTGATAGAGATACATTTCTAAGTCGGATCCAATTTGTGTCTATATACACAAGCAGTTGGGAAT
 AAAGAATGGAGAGAGTTTGAAGAAGTGAAGTATCGATAATACTTTGAATCCTGATTTTGAAGAAAGT
 TTATCCTGGATTATTTCTTTGAAGAAAGAGAGAATCTTCGTTTTGACTTATATGATGTTGATTCTAAGAG
 TCCCAACTGTCCAAACATGACTTTCTGGGACAAGTGTTCGTACATTGGGGGAGATTGTTGTTTACAG
 GGAAGTCGCTGGAAAAGCCAATAGTAGGAATCCAGGCAGGAAATGTGGGACAATCATACTGACGGCAG
 AGGAGCTAACTGCTGCAGGGATGCTGTCTTGATGCAGTTCTGTGCAACAAATTGGATAAGAAGGATTT
 CTTTGGGAAGTCAGATCCTTTCTGGTATTTTATCGAAGCAATGAGGATGGAAGCTTTACAATTTGCCAC
 AAGACAGAAGTGGTCAAAAACACTCTAAATCCTGTGTGGCAAGCGTTCAAGATCTCAGTGCAGCATTGT
 GCAATGGGGACTATGACAGAACAATCAAGGTAGAAGTGTACGACTGGGACCGAGACGGGAGTCATGATT
 CATTGGAGAATTCACAACAAGCTATCGGGAGCTCGCAAGAGGGCAGTCACAATTCACGCTATGAGGTG
 GTGAATCCCAAAAAGAAAGGAAAAAAGAAAAATACACCAATTCAGGAACAGTAACCTTATTGTCCTTCT
 TGGTGGAAACAGAAGTCTCCTTCTGGACTATATTAAGGAGGAACGCAGATCAACTTCACGGTGGCCAT
 TGATTTTACAGCATCAATGGAACCCCTGCCAGCCAATTCTCTCCACTATATGAACCCTTACCAACTG
 AATGCCTATGGAATGGCACTGAAGGCTGTAGGAGAAATCGTTCAAGATTATGACAGTGATAAGATGTTCC
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 CAGTTGTATGGGCCAACCAACTTTGCTCCGTAATAAACACGTCAGCAAGATACGCATCCTCTGTAAGAG
 ATGGCTCCAGTACTTTGTGCTTCTCATTGTGACGGACGGCGTCATCTCAGATATGGCTCAAACTAAAGA
 ATCCATAGTTAATGCCTCAAGCTTCCCATGTCAATAATAAGTAGGTGTGGGACCTGCAGAAATTTGAT
 GCAATGGTTGAATTGGATGGAGATGATGAAGAGTTTCTCCAGAGGGAATATGCTGAAAGAGATATTG
 TACAGTTTGTGCCGTTACGGGATTATATTGACAGAAGTGGAACACATACTCAGCATGGCGAGACTGGC
 CAAAGATGTCTTAGCTGAGATCCAGAGCAGTTCTTTCTACATGAGAGCCAGAGGAATCAAGCCATCA
 CCGGCGCCCCCGCGTACACCCCTCTACACAGTGTGCAGACGCAATA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223082 representing NM_025815
 Red=Cloning site Green=Tags(s)

MWARDKCSVPQLEMDSRYTSATGIGDLNQLSAAIPATRVEVSVSCRNLLDRDTFSKSDPICVLVTQAVGN
 KEWREFGRTEVIDNTLNPDFVRKFILDYFFEERENLRFDLVDVSKSPNLSKHDFLGQVFCTLGEIVGSQ
 GSRLEKPIVGIPGRKCGTIILTAEELNCCRDAVLMQFCANKLDDKDFGKSDPFLVFYRSNEDGSFTICH
 KTEVVKNLNPVWQAFKISVRALCNGDYDRTIKVEVYDWRDGSDFIGEFSTSYRELARGQSQFNVEV
 VNPKKKGKKKYTNSGTVTLLSFLVETEVSFLDYIKGGTQINFVAIDFTASNGNPAQPTSLHYMNPYQL
 NAYGMALKAVGEIVQDYDSKMFALGFGAKLPDGRISHEFALNGNPQNPYCDGIEGVMEAYYRSLKSV
 QLYGPTNFAPVINHVARYASSVKDGSQYFVLLIVTDGVIDSMAQTKEISIVNASKLPMSIIIVGVGPAEFD
 AMVELDGDVVRVSSRGKYAERDIVQFVPRDYIDRSGNHILSMARLAKDVLAEIPEQFLSYMRARGIKPS
 PAPPPYTPPTHVLQTQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

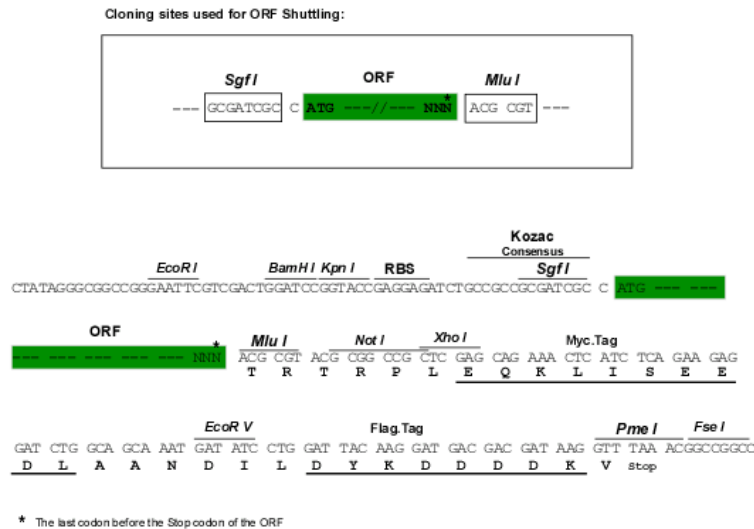
Chromatograms:

https://cdn.origene.com/chromatograms/mm9077_e03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_025815

ORF Size: 1731 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_025815.2](#), [NP_080091.1](#)

RefSeq Size: 3324 bp

RefSeq ORF: 1734 bp

Locus ID: 66871

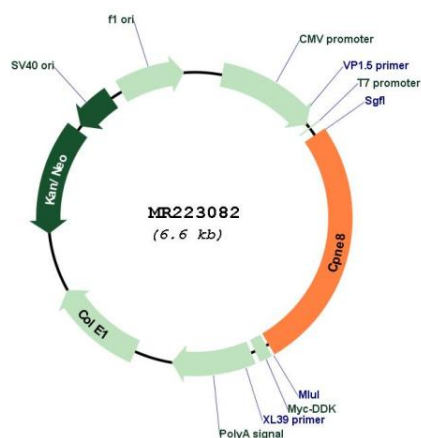
UniProt ID: Q9DC53

Cytogenetics: 15 E3

MW: 64.7 kDa

Gene Summary: This gene encodes a member of the copine family of highly conserved, calcium-dependent phospholipid binding proteins. The encoded protein has two characteristic C2 domains and a VWFA domain and may play a role in membrane trafficking. A related pseudogene is found on chromosome 8. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MR223082