

Product datasheet for **MR209239**

Cpne5 (NM_153166) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpne5 (NM_153166) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpne5
Synonyms:	A830083G22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209239 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGAGCAACCCGAGGACATGGCGTCGCTCAGCGAGTTCGACTCCTTGGCGGGCAGCATCCCGGCTACCA
 AGGTGGAGATCACGGTGTTCATGCAGGAACCTCTTGGACAAAGACATGTTTTCCAAGTCTGACCCACTGTG
 TGTTCATGTACACTCAAGGGATGGAGAACAAGCAATGGCGAGAGTTCGGACGCACCGAGGTCATAGATAAC
 ACGCTCAACCCGACTTCGTGCGCAAGTTCATTGTGGATTACTTCTTTGAGGAGAAGCAGAACCTCCGCT
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 CTCTGGATCCCCGTGCACACGCATATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR209239 protein sequence
 Red=Cloning site Green=Tags(s)

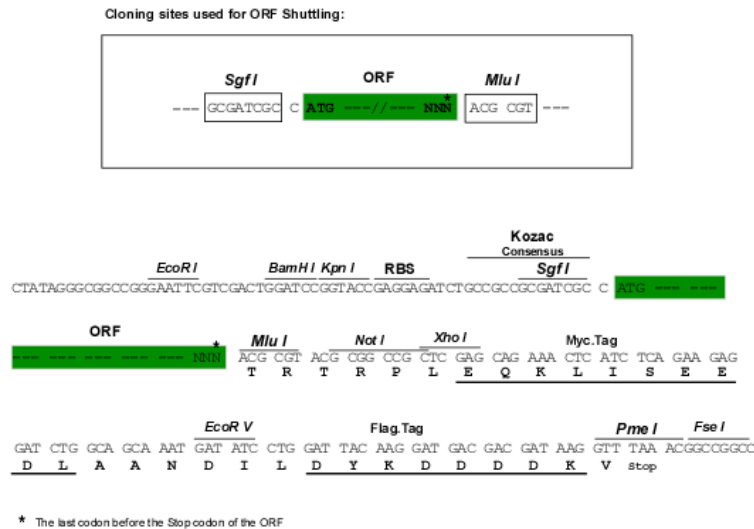
MEQPEDMASLSEFDSLGSIPATKVEITVSCRNLLDKDMFSKSDPLCVMTQGMENKQWREFGRTEVIDN
 TLNPDFVRKFIVDYFFEEKQNLRFDLVDVSKSPDL SKHDFLGQAFCTLGEIVGSSGSRLEKPLTIGTFS
 LNSRTGKMPAVSNGGVPKKCGTIIISAEELSNCRDVATMQFCANKLDKKDFGKSDPFLVFYRSNEDG
 TFTICHKTEVMKNTLNPVWQTF SIPVRALCNGDYDRTIKVEVYDWRDGSDFIGFTTSYRELARGQSQ
 FNIYEVINPKKKMKKKKYVNSGVTLLSFAVESESTFLDYIKGGTQINFVAIDFTASNGNPSQSTSLHY
 MSPYQLNAYALALTAVGEIIQHYSDFKMFALGFGAKLPDGRVSHEFPLNGNQENPSCCGIDGILEAYH
 SSLRTVQLYGPTNFAPVVTHVARNAAVQDGSQYSVLLIITDGVISDMAQTKEAIVNAAKLPMSIIIVGV
 GQAEFDAMVELDGDVRISSRGKLAERDQVQFVPFRDYVDRTGNHVL SMARLARDVLAEPDQLVSYMKA
 QGIRPRPPPAAPASPPQSPAHSPPGSPVHTHI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_153166

ORF Size: 1779 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_153166.2](#), [NP_694806.1](#)

RefSeq Size: 4366 bp

RefSeq ORF: 1782 bp

Locus ID: 240058

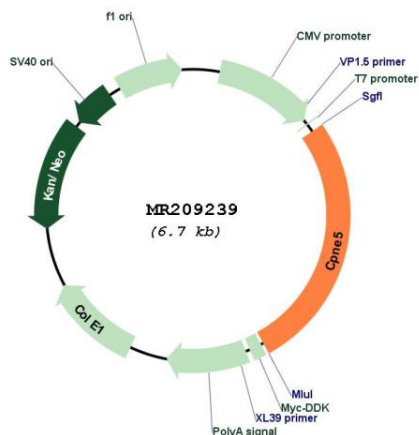
UniProt ID: [Q8JZW4](#)

Cytogenetics: 17 A3.3

MW: 65.6 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 MR209239