

## Product datasheet for **MG208539**

### **Cpne3 (NM\_027769) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cpne3 (NM_027769) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cpne3
Synonyms:	5430428M23Rik; 5730450C07Rik; C85108; CPN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208539 representing NM\_027769  
 Red=Cloning site Blue=ORF Green=Tags(s)  
 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTGCCAGTGTGTACGAAGTGGAACTAAATGTTTCTGTAAACAACCTTTTGGATGCAGATGTAA  
 CATCAAAGTCGGACCCTTATGTGTGCTGTTTTGAATACGAGTGGTACCAGTGGTATGAGGTTGAACG  
 GACAGAAAGGATTAAGAATTCCTTGAATCCCAAATTTTCTAAGACATTTGTTATTGATTACTACTTTGAA  
 GTGGTTACAGAAATGAAGTTTGAATCTATGACATTGACAACAAAATATCGAGCTGAGTGTATGACT  
 TCTTGGGAGAATGTGAAGTCACTCTGGACAAATGTTTCCAGTAAGAAGCTAACTCGACCACTGGTGT  
 CAAAAATGGCAAACCTGCAGGAAAGGGAGTATTACGATTTAGCAGAAAGAAATAAAGGATAACAGAGTG  
 GTATTGTTTGAATGGAAGCCAGAAAATGGATAAATAAGGATCTGTTTGGGAAGTCAGATCCATACTTGG  
 AGTTTACAAGCAGACATCAGATGGCCACTGGCTGATGGTTCACCGAACAGAGGTTATAAAAAACAACCT  
 GAATCCCATGTGAAGCCTTTAAGATCTCTTAACTCTCTGTGCTATGGAGATATGGACAAAACCATT  
 AAGGTAGAGTGTTATGATTATGACAATGATGGATCGCATGATCTCATTGGAACATTTCAAACCACCATGA  
 CAAAACCTCAAAGAAGCCTCCAGAAGCTCACCTGTTGAATATGAATGCATAAATGAAAAAAGAGACAGAA  
 GAAAAAAGCTACAAGAAGCTCAGGTGTTATCAGTGTGAAGCACTGTGAGATTACTGTAGAATGCACATTT  
 CTTGACTACATCATGGGAGGGTCCAGCTCAATTTACTGTGGGAGTGGACTTCACCGGCTCCAATGGTG  
 ACCCCAGTTCTCCAGACTCCCTGCATTACATCAGCCCGAATGGTGTTAATGAGTATCTGACTGCCATCTG  
 GTCTGTAGGATTGGTAATTCAAGATTATGATGCTGATAAAATGTTTCCAGCTTTTGGCTTTGGAGCTCAG  
 GTGCCCTCAGTGGCAGGTATCTCATGAATTTCCGATGAACCTTAACCCATCGAACCCCTATTGCAATT  
 GAATCCCAAGGCATTGTAGAGGCTTATCGGACCTGTCTTCCCAGATAAGACTCTATGGACCAACTAATTT  
 TTCTCCAATTATAAATCACGTGGCCAGGTTTGCAGCTGCAGCCACACAACAGCAGACAGCTTCTCAATAC  
 TTTGTGCTCTTAATCATCACTGATGGCGTGATCAGACCTTGATGAAACCAGACAGGCAATCGTCAATG  
 CAGCCAAGCTGCCATGTCTATCATCATTGTGGGAGTTGGGGAGCTGACTTCAGTGCCATGGAGTTTCT  
 AGATGGCGATGGTGAAGTCTCCGTGCCCTCAGGAGAGGTGGCCATAAGAGATATTGTTCAAGTTTGTG  
 CCTTTCAGACAGTTCAGAAATGCTCCAAAAGAAGCGCTTGCTCAGTGTGCTTGGCAGAGATTCCCAGC  
 AGGTGGTGGGCTACTTCAACACATACAACTCCTTCTCCAAAAACCCAGCTGTGAAG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG208539 representing NM\_027769  
 Red=Cloning site Green=Tags(s)  
 MAAQCVTKVELNVSCNNLLDADVTSKSDPLCVLFLNTSGHQWYEVERTERIKNSLNPKFSKTFVIDYYFE  
 VVQKLFGIYDIDNKTIELSDDDFLGECEVTLGQIVSSKLRPLVVKNGKPKAGKGSITISAEEIKDNRV  
 VLFEMEARKLDNKDLFGKSDPYLEFHKQTSBGHWLMVHRTEVIKNNLNPMPKPKISLNSLCYGDMDKTI  
 KVECVDYDNDGSHDLIGTFQTTMTLKEASRSPVEYECINEKKRQKKKSYKNSGVISVKHCEITVECTF  
 LDYIMGGCQLNFTVGVDFTGSNGDPSSPDSLHYISPNGVNEYLTAIWSVGLVIQDYDADKMFPAGFGAQ  
 VPPQWQVSHEFPMNFNPSNPYCNIGIIVEAYRTCLPQIRLYGPTNFSPIINHVARFAAAATQQQTASQY  
 FVLLIITDGVITDLDETRQAIIVNAAKLPMSEIIIVGVGGADFSAMEFLDGDGGSRLRAPSGEVAIRDIVQFV  
 PFRQFQNAPEALAQCVLAEIPQVVGVFNTYKLLPPKNPAVK

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_027769

ORF Size: 1599 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\\_027769.3](#)

RefSeq Size: 5646 bp

RefSeq ORF: 1602 bp

Locus ID: 70568

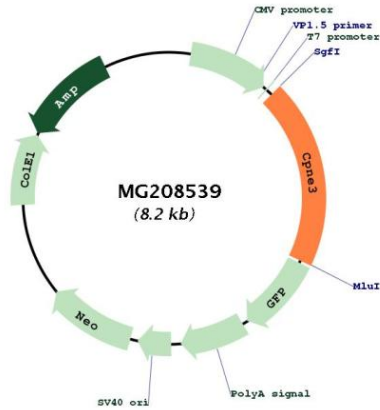
UniProt ID: [Q8BT60](#)

Cytogenetics: 4 A3

**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 MG208539