

Product datasheet for **MG207010**

Cpne8 (BC017626) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpne8 (BC017626) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cpne8
Synonyms:	1200003E11Rik; 1500031E20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207010 representing BC017626 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTTGATTCTAAGAGTCCCACTTGTCCAAACATAGGAATTCAGGCAGGAAATGTGGGACAATCATAC
 TGACGGCAGAGGAGCTAACTGCTGCAGGGATGCTGTCTTGATGCAGTTCTGTGCAAAACAAATTGGATAA
 GAAGGATTTCTTTGGGAAGTCAGATCCTTCTGGTATTTTATCGAAGCAATGAGGATGGAAGCTTTACA
 ATTTGCCACAAGACAGAAGTGGTCAAAAACACTCTAAATCCTGTGTGGCAAGCGTTCAAGATCTCAGTGC
 GAGCATTGTGCAATGGGACTATGACAGAACAATCAAGGTAGAAGGTACGACTGGGACCGAGACGGGAG
 TCATGATTTTCATTGGAGAATTCACAACAAGCTATCGGGAGCTCGCAAGAGGGCAGTCACAATTCAACGTC
 TATGAGGTGGTGAATCCCAAAAAGAAAGAAAAAGAAAAATACACCAATTGAGAACAGTAACCTTAT
 TGTCTTCTTGGTGGAAACAGAAGTCTCCTTCTGGACTATATTAAGGAGGAACGCAGATCAACTTCAC
 GGTGGCCATTGATTTACAGCATCAAAATGGAAACCTGCCAGCCAATTCTCTCCACTATATGAACCTT
 TACCAACTGAATGCCTATGGAATGGCACTGAAGGCTGTAGGAGAAATCGTTCAAGATTATGACAGTGATA
 AGATGTTCCAGCCCTGGGTTTTGGTGCAAAGCTGCCTCCAGATGGAAGGATATCTCAGAGTTTGCCCT
 GAATGGCAACCTCAGAATCCTTACTGTGATGGCATTGAAGGTGTCATGGAAGCTTACTATAGAAGTCTG
 AAGTCTGTCCAGTTGTATGGGCCAACCACTTTGCTCCCGTAATAAACACGTAGCAAGATACGCATCCT
 CTGTAAAAGATGGCTCCAGTACTTTGTGCTTCTCATTGTGACGGACGGCGTCATCTCAGATATGGCTCA
 AACTAAAGAATCCATAGTTAATGCCTCAAAGCTTCCCATGTCAATAATAATAGTAGGTGTGGACCTGCA
 GAATTTGATGCAATGGTTGAATTGGATGGAGATGATGTAAGAGTTTCTCCAGAGGGAAATATGCTGAAA
 GAGATATTGTACAGTTTGTGCCGTTGAGGATTATATTGACAGAAGTGGAACACATACTCAGCATGGC
 GAGACTGGCCAAAGATGTCTTAGCTGAGATCCAGAGCAGTTCTTTCTACATGAGAGCCAGAGGAATC
 AAGCCATACCGGCGCCCCGCGGTACACCCCTCTACACACGTGCTGCAGACGCAATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG207010 representing BC017626
 Red=Cloning site Green=Tags(s)

MLILRVPTCPNIGIPGRKCGTIILTAEELNCCRDVLMQFCANKLDKKDFFGKSDPFLVFYRSNEDGSFT
 ICHKTEVVKNTLNPVWQAFKISVRALCNGDYDRTIKVEVYDWRDGSDFIGFTTSYRELARGQSQFNV
 YEYVNPKKKKKKKYTNSGTVTLLSFLVETEVSFLDYIKGGTQINFVAIDFTASNGNPAQPTSLHYMNP
 YQLNAYGMALKAVGEIVQDYDSKMFPAFGAKLPPDGRISHEFALNGNPQNPYCDGIEGVMEAYYRSL
 KSVQLYGPNTFAPVINHVARYASSVKDGSQYFVLLIVTDGVISDMAQTKEIVNASKLPMSIIIVGVGPA
 EFDAMVELDGDDVRVSSRGKYAERDIVQFVPFRDYIDRSGNHILSMARLAKDVLAEIPEQFLSYMRARGI
 KPSPAPPPYTPPTHVLQTQI

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC017626

ORF Size: 1320 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: [BC017626.1](#)

RefSeq Size: 3231 bp

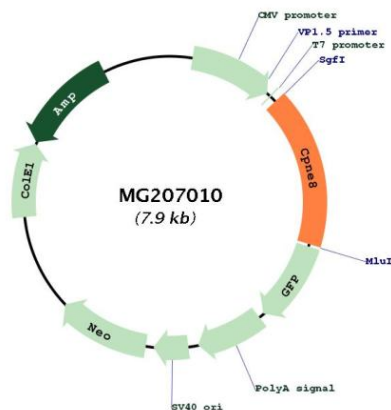
RefSeq ORF: 1322 bp

Locus ID: 66871

Cytogenetics: 15 E3

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 MG207010