

Product datasheet for **MC219372**

Cpne5 (NM_153166) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC219372 representing NM_153166
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGAGCAACCCGAGGACATGGCGTCGCTCAGCGAGTTTCGACTCCTTGGCGGGCAGCATCCCGGCTACCA
 AGGTGGAGATCACGGTGTCTATGCAGGAACCTCTTGGACAAAGACATGTTTTCCAAGTCTGACCCACTGTG
 TGTCTGTACACTCAAGGGATGGAGAACAAGCAATGGCGAGAGTTCGGACGCACCGAGGTATAGATAAC
 ACGCTCAACCCGACTTCGTGCGCAAGTTCATTGTGGATTACTTCTTTGAGGAGAAGCAGAACCTCCGCT
 TTGATCTCTACGATGTTGACTCCAAGAGCCGGATCTATCTAACACGACTTCCTGGGCCAGGCCTTCTG
 TACCTTGGAGAAATTGTAGGGTCTCTGGGAGCCGTCTGGAGAAGCCTCTCACGATAGGAACATTACAGC
 CTCAACTCCCGGACAGGCAAGCCTATGCCCGCCGTGTCTAACGGTGGTGTCCAGGGAAGAAATGTGGTA
 CCATCATCTGTCTGCAGAGGAAGTGAAGCACTGCAGGGATGTGGCCACAATGCAGTTCTGTGCCAACAA
 GCTGGATAAGAAAGATTTCTTGGGAAATCTGACCCCTTCTTGGTGTCTACAGGAGCAATGAAGACGGA
 ACGTTCCACATCTGTCTACAAGACGGAGGTCTGAAGAACCCTCAACCCGGTGTGGCAAACCTTCTCCA
 TCCCCGTGAGGGCTCTGTGCAACGGAGACTATGACAGGACCATCAAGGTGGAGGTGTATGACTGGGATCG
 TGACGGCAGCCATGACTTCATTGGGGAGTTCACCACAGCTACCGGGAGCTGGCACGTGGCCAGAGTCAG
 TTCAACATCTATGAGGTGATAAATCCAAAAAGAAAATGAAGAAAAAGAAATACGTGAATTCTGGCACGG
 TCACCTGCTTTCTTTGCGGTAGAGTCAGAGAGTACCTTCTGGATTACATCAAAGGAGGGACGCAGAT
 CAATTCACCGTGGCCATTGACTTCACTGCCTCTAATGGGAATCCCTCACAGTCCACGTCCCTCCACTAC
 ATGAGTCCCTACCAGTGAACGCCTACGCGTGGCGCTGACCGCCGTGGAGAGATCATTACGATTATG
 ACAGTGACAAGATGTTCCCTGCCCTGGGCTTCGGGGCCAAGCTGCCCCCGACGGCAGGGTGTCCCATGA
 GTTTCCCTGAATGGCAACCAGGAGAACCCTCTGCTGTGGCATCGATGGCATCCTGGAGGCCTACCAC
 AGCAGCCTGCGCACCGTGCAGCTTTACGGCCCCACTAATTTGCTCCTGTTGCTACTCACGTAGCCAGGA
 ACGCCGCAGCTGTGCAGGATGGCTCCAGTATTCTGTGCTGCTCATCACTGATGGTGTCTATCTCGGA
 CATGGCACAGACCAAGGAGGCAATTGTAATGCTGCCAACTCCCTATGTCGATCATATTGTTGGCGTG
 GGCCAGGCCGAGTTCGATGCCATGGTGGAGCTGGACGGTGTGACGTGCGGATCTCTCCAGGGGGAAGC
 TGGCTGAGCGAGACATTGTCCAGTTGTGCCCTTCAGGGACTATGTGGACCGCACCGGAACACGTA
 GAGCATGGCCCGCTGGCCCGGATGTTCTGGCTGAGATTCGGACCAACTGGTGTCTACATGAAGGCA
 CAGGGCATCCGCCACGCCCGCACCTGTGCACCGCTCAGTACCCCCACAGTCCCCAGCCCACTCAC
 CTCTGGATCCCCGTGCACACGCATATC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_153166

Insert Size: 1782 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_153166.2, NP_694806.1</u>
RefSeq Size:	4366 bp
RefSeq ORF:	1782 bp
Locus ID:	240058
UniProt ID:	<u>Q8JZW4</u>
Cytogenetics:	17 A3.3
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] Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. It encodes isoform 2 which is shorter, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.