

Product datasheet for **MC218983**

Cpne4 (NM_028719) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpne4 (NM_028719) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cpne4
Synonyms:	3632411M23Rik; 4933406O10Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218983 representing NM_028719
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGAAGATGAGCAACATTTATGAGTCGGCTGCCAACACGCTGGGAATCTTTAACAGCCCTGCCTGA
 CCAAAGTCGAGCTGCGTGTGGCATGCAAAGGCATTTCCGACAGAGATGCCCTGTCCAAGCCGGACCCTTG
 TGTCACTCCTCAAGATGCAATCCCACGGCAATGGTTTGAGGTGGACAGGACGGAGGTGATTCGTACCTGC
 ATAAACCCAGTGTACTCAAAGCTGTTTACAGTGGACTTTTATTTTGAAGAGGTCCAACGTCTCCGGTTTG
 AAGTTCATGACATCAGCAGCAACCACAATGGACTGAAGGAAGCTGACTTCCTTGGTGGCATGGAGTGCAC
 ACTTGCCAGATTGTCTCACAGAGAAAGCTCTCCAAGTCTTGTGAAGCATGGGAACACAGCGGGGAAA
 TCCTCCATCACGGTGATTGCTGAAGAATTATCGGGCAATGACGACTATGTTGAGCTTGCAATCAATGCAC
 GGAATTGGATGATAAGGATTTCTCAGTAAATCAGACCCATTTCTGGAAATTTTCAGAATGAACGATGA
 CGCGACTCAACAGCTTGTGCATCGAACAGAGGTTGTGATGAATAACTTAAGCCCAGCCTGGAAGTCAATC
 AAAGTATCGGTAAACTCTCTATGCAAGTGGAGATCCAGACCCGAGGCTGAAGTGCATAGTGTGGGACTGGG
 ACTCCAACGGCAAGCATGACTTCATCGGAGAGTTCACCTCCACCTTCAAGGAGATGAGAGGAGCCATGGA
 AGGGAAACAGGTACAGTGGGAATGCATCAACCCCAAGTACAAAGCCAAGAAGAAAAATTACAAGAACTCA
 GGCATGGTGAATCTAAACCAGTGCAGATCCACAAGATGCATTCCTTCTTGGACTACATCATGGGCGGCT
 GTCAAATCCAGTTTACAGTAGCTATAGACTTCACTGCCTCTAATGGGGACCCAGAAACAGCTGTTCCCT
 GCACTATATCCACCTTACCAGCCCAATGAGTACCTAAAGGCCTTGGTGGCTGTGGGAGAGATTTGCCAA
 GACTATGACAGTGACAAAATGTTCCCGCTTTTGGGTTTGGCGCCAGGATACCCCGGAATACACGGTCT
 CTCATGACTTTGCAATCAACTTTAATGAAGACAACCCGGAGTGTGCAGGAATCAAGGAGTGGTGAAGC
 CTATCAGAGCTGTCTTCCAAGCTCCAGCTTTATGGTCCCAACATCGCTCCCATCATTCAAGAGGTT
 GCCAAGTCAGCCTCGGAGGAGACAAACCAAGGAAGCATCGCAATACTTCATCCTGCTGATCCTGACAG
 ACGGGGTGATCACAGACATGGCTGACACCCGGGAGGCCATCGTCCACGCCTCCACCTCCCATGTCAGT
 CATCATCGTTGGGGTGGGAACGCCGACTTCAGTGACATGCAGATGCTGGACGGTACGACGGAATTCTA
 AGGTACCCCAAGGGAGAACCTGTCCTTCGAGACATCGTCCAGTTTGTGCCCTCCGGAATTCAAACATG
 CATCGCCAGCTGCCCTTGCCAAGAGTGTGTTGGCTGAAGTCCCAATCAAGTCGTAGACTATTACAATGG
 TAAAGGGATTAACCAAGTGCTCATCGGAAGTATATGAATCGTCCGGACACTGGCACCG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_028719
- Insert Size:** 1674 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.

RefSeq: [NM_028719.1](#), [NP_082995.1](#)

RefSeq Size: 3670 bp

RefSeq ORF: 1674 bp

Locus ID: 74020

UniProt ID: [Q8BLR2](#)

Cytogenetics: 9 F1

Gene Summary: Probable calcium-dependent phospholipid-binding protein that may play a role in calcium-mediated intracellular processes.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus 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.