

Product datasheet for **MC215888**

Cpa6 (NM_177834) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpa6 (NM_177834) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cpa6
Synonyms:	9030616D13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC215888 representing NM_177834
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACTTCTCGGGAATCCAGGAGCCACACAGCAGCTTTTCTGCCGGTTTGTGGCTCCTTTTGAATA
 TTCTGAAACCTGGGCACTGCCACTCTTACGACAACCGCTATGCTGGTGATAAAGTGATAAGACTCATCCC
 CAAATCCGAAGAGGAAGCACTTGCACTCAAGAACATATACCACCAACTTAAGGTGGACCTGTGGCAGCCC
 AGCAGTATCTCCTATGTGTGAGAGGGGACAATTACTGATGTCCATATTTCCCAAATGCTTCCAGAACC
 TGTTAGCGTTCTTACAGGAAACCCACATCTACTACAAGTCTCATAGAAGATCTTCAGAAAGCTGTGGA
 AAATGAAAACAGCTTCAAACCCAGAGAAACAGAAAGATCCCTGTCTGAATACAACACGAGGTGTATCAC
 TCCTTAGAAGATATTCAGAGTTGGTTCACCATCTGAACCAACTCAGCCAGGCCTCGTTCGAGTGTCT
 CTATTGGAAGATCATACGAAGGAAGACCTCTTTATTATGCAGTGGGAGAAAATCACGAGCCTACAA
 AAGAGCTGTCTGGATAGACTGCGGCATTCACGCAAGAGAATGGATCGGTCTGCCTTTTGTGAGTGGTTT
 GTAAGAGAAGCCATTCTGACCTACAAGACTGACCCAGCCATGAAAAAATGTTGAATCATCTGTATTCT
 ATATCATGCCTGTATTCAATGTCGATGGATACCATTTTCAGCTGGACACATGATAGATTCTGGAGAAAGAC
 CCGGTCAAGAGACTCTAAGTTTCGCTGTCGTGGAGTTGATGCCAATCGCAACTGGAAAGTAAATGGTGC
 GATGAAGGAGCCTCCGCACACCTTGTGATGATACACTGTGGTCTTTCCAGAATCTGAACCAGAAG
 TGAAGGCTGTAGCTAACTTCTTCGAAAACACAGAAAGCGCATCAGGGCGTACCTGTCTTTTCATGCCTA
 TGCTCAGATGTTGCTATATCCTTATTCTTACAAATATGCAACAATCCCAATTTTAGCTGTGTGGAATTT
 GCAGCTCACAAGCTGTGAAGGCACTTCGGTCCGTACATGGGATCCGATACAGACATGCCCCCGCTCCC
 AAACACTGTATGTAAGCTCTGGTAACTCAATGGATTGGGCTTATAAAAATGGAATACCCTATGCATTTGC
 TTTTGAAGTGGAGACTGCGGCAATTTGGATTTCTACTGCCAGAGATGCTCATTAAACCCACCTGCACA
 GAGACCATGCTGGCTGTGAAGAATATCACAATGCACCTGCTAAAGAAATGTCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_177834

Insert Size: 1317 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_177834.4](#), [NP_808502.2](#)

RefSeq Size: 1940 bp

RefSeq ORF: 1317 bp

Locus ID: 329093

UniProt ID: [Q5U901](#)

Cytogenetics: 1 A2

Gene Summary: This gene encodes a protein that belongs to the metalloprotease family of proteins that catalyze the release of a C-terminal amino acid from the target protein. The encoded preproprotein undergoes proteolytic cleavage to yield the mature form which is thought to play a role in cell migration. In humans, this protein regulates neuropeptides in the brain and mutations in this gene are associated with a recessive familial form of febrile seizures and with temporal lobe epilepsy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2014]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).