

Product datasheet for **MC226649**

Cpa6 (NM_001289497) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cpa6 (NM_001289497) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cpa6
Synonyms: 9030616D13Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226649 representing NM_001289497
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGCTGGGCAGAAAATCACGAGCCTACAAAAGAGCTGTCTGGATAGACTGCGGCATTACGCAAGAG
AATGGATCGGTCTCGCTTTTGTGTCAGTGGTTTGAAGAGAAGCCATTCTGACCTACAAGACTGACCCAGC
CATGAAAAAATGTTGAATCATCTGTATTTCTATATCATGCTGTATTCAATGTCGATGGATACCATTTT
AGCTGGACACATGATAGATTCTGGAGAAAGACCCGGTCAAGAGACTCTAAGTTTCGCTGTCGTGGAGTTG
ATGCCAATCGCAACTGGAAAGTAAATGGTGCATGAAGGAGCCTCCGCACACCCCTTGATGATACATA
CTGTGGTCTTTCCAGAACTGAACCAGAAGTGAAGGCTGTAGCTAACTTCTTCGAAAACACAGAAAAG
CGCATCAGGGCGTACCTGTCTTTTCATGCCTATGCTCAGATGTTGCTATATCCTTATTCTTACAAATATG
CAACAATCCCAATTTTAGCTGTGTGGAATTTGCAGCTCACAAGCTGTGAAGGCACTTCGGTCCGTACA
TGGGATCCGATACAGACATGGCCCCGCTCCCAAACACTGTATGTAAGCTCTGGTAACTCAATGGATTGG
GCTTATAAAAAATGGAATACCCTATGCATTTGCTTTTGAAGTGGGAGACTGGGCATTTTGGATTCTAC
TGCCAGAGATGCTCATTAAACCCACCTGCACAGAGACCATGCTGGCTGTGAAGAATATCAATGCACCT
GCTAAAGAAATGCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289497
Insert Size: 789 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001289497.1</u> , <u>NP_001276426.1</u>
RefSeq Size:	1815 bp
RefSeq ORF:	789 bp
Locus ID:	329093
UniProt ID:	<u>Q5U901</u>
Cytogenetics:	1 A2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks an in-frame portion of the 5' coding region and initiates translation at a downstream start codon compared to variant 1. The resulting isoform (2) has a shorter N-terminus compared to isoform 1.</p>