

Product datasheet for **MC212948**

Cpa2 (NM_001024698) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cpa2 (NM_001024698) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cpa2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212948 representing NM_001024698
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGTTGACCCCGTTATTGGTTGCCCTATTTGGGTATATCTACTGTCAAGAAACATTTGTGGGAGATC
AAGTTCTTGAGGTGATCCCGAATGATGAAGAGCAAATTAAGACTCTGCTGCAACTGGAGGCCGAAGAGCA
CCTTGAGCTTGATTTTTGGAAATCCCCAGCGTCCCAGGCAGACAGTCCATGTCCGAGTTCCTTTTGCC
AGCATCCAGGACGTCAAAGTTTTCTGGAGTCCCAGGGATTACTTATCCATCATGATCGAAGATGTTT
AAGTTCTGTTGGATCAAGAGCGTGAAGAGATGCTGTTCAACCAGCAAAGAGAGCGTGGCACTAATTCAA
CTTTGGGGCTACCATACCCTGGAAGAGATTTACCAAGAAATGGATAACCTCGTGGCTGAGAACCCTGGT
CTAGTGAGCAAAGTGAATATCGGTTTCATCTTTGAAAAATCGGCCCATGAATGTGCTCAAGTTCAGCACCG
GAGGAGACAAGCCAGCCATCTGGCTTGATGCGGGATCCAGCTCGAGAGTGGTTACGCAAGCTACTGC
ACTGTGGACAGCAAATAAGATTGCGTCTGATTATGGGACTGATCCAGCCATCACTTCTTCTCAATACT
CTGGATGTCTTCTGCTGCTGCACGAACCCTGATGGATATGTGTTCTCCAAACCTCCAATCGTATGT
GGCGAAAGACCCGGTCTAAACGGTCGGGAAGCTTCTGTGTTGGTGTGGATCCTAATCGGAACTGGGACGC
AAATTTCCGAGGACCTGGAGCCAGTAGCAACCCTTGCTCTGATTACATACCATGGACCCAGTCCCAATTCT
GAAGTTGAAGTAAATCCATAGTGGACTTCATCAAGAGCCACGGGAAAGTCAAAGCGTTCATTACCCCTTC
ACAGCTATTTCCAACTGCTCATGTTCCCTATGGCTATAAATGTGCCAAGCCAGATGACTTTAATGAGCT
GGATGAAGTGGCCCAAAGGGCTGCCAGTCTTTGAAAAGACTCCACGGCACCCAGTTACAAAGTGGGACCC
ATCTGTTCTGTCTACACAGGCCAGTGGCGGAAGCATCGACTGGGCTTATGACCTTGGCATCAAATACT
CATTTGCCTTTGAACTGAGAGACACAGGCTACTATGGCTTCTCTGCGCCAGCAAGCAGATCTTGCCAC
AGCAGAAGAGACCTGGCTTGGCTGAAGACCATCATGGAGCACGTACGAGACCACCCCTAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001024698
Insert Size:	1254 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:	<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_001024698.2</u> , <u>NP_001019869.1</u>
RefSeq Size:	1354 bp
RefSeq ORF:	1254 bp
Locus ID:	232680
UniProt ID:	<u>Q504N0</u>
Cytogenetics:	6 A3.3
Gene Summary:	This gene encodes a member of the carboxypeptidase A family of zinc metalloproteases. The encoded preproprotein undergoes proteolytic processing that removes the N-terminal activation peptide to generate a functional enzyme. This gene is expressed by the pancreatic exocrine cells which secrete the enzyme during digestion. This gene is located in a cluster of carboxypeptidase genes on chromosome 6. [provided by RefSeq, Jul 2016]