

Product datasheet for **RR207608**

Cpa2 (NM_001013083) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cpa2 (NM_001013083) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cpa2
Synonyms: CPA2(S)
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207608 representing NM_001013083
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGTTGACCCTGTTATTGGCTGCCCTACTTGGGTATATCTACTGTCAAGAAACGTTTGTGGGAGATC
AAGTTCTTGAGATCATCCAAGTCATGAAGAGCAAATTAGAACTGCTGCAATTGGAGGCTGAAGAGCA
TCTCGAGCTTGATTTTTGGAAATCACCCACCATCCCTGGGAGACAGTCCAGTTTCGAGTCCCTTTTGT
AGCATCCAGGCTGTCAAGTTTTCTTGGAGTCCCAGGGATCGATTATCCATCATGATCGAAGATGTTCC
AAGTTCTGTTGGATCAAGAGCGGAAGAAATGCTATTCACCAGCAAAGAGAGCGTGGTGGGAACCTCAA
CTTTGAGGCTACCATACCCTGGAAGAGATTTACCAAGAAATGGATAACCTCGTGGCTGAGAACCCCGGT
CTAGTGAGCAAAGTGAATATCGGTTCACTTTGAAAAATCGGCCCATGAATGTGCTCAAGTTCAGCACCG
GAGGAGACAAGCCAGCCATCTGGCTTGATGCGGGATCCATGCTCGAGAGTGGTTACACAAGCTACTGC
ACTGTGGACAGCAAACAAGATTGCTTCTGATTATGGAAGTATCCAGCCATCACGCTCTTCTTAATACT
CTGGATATCTTCTGCTGCCTGTCACCAATCCCAGTGGATATGTGTTCTCCAAACCAACATCGAATGT
GGAGAAAGACCCGTTCTAAAAGTCAAGGAGCGGCTGTGTCGGTGGATCCTAATCGGAAGTGGGATGC
AAATTTTCGGAGGACCTGGAGCCAGTAGCAGCCCTTGCTCTGACTCATACCGGACCCAAAGCCAACTCT
GAAGTTGAAGTGAATCCATAGTGGACTTCATCAAGAGCCACGGGAAAGTCAAAGCTTTTATTACCTTC
ACAGCTATTCCCAACTGCTTATGTTCCCTATGGCTATAAATGTACCAAGCCAGATGACTTTAATGAGCT
GGATGAAGTGGCCAGAAGGCTGCCAGGCTTTGAAAAGACTGCACGGCACCAAGTATAAAGTGGGACCC
ATCTGTTCTGTCTCTACCAGGCGAGTGGTGAAGCATCGACTGGGCTTACGACCTTGGCATCAAATACT
CATTTGCCTTTGAACTGAGGGACACAGGTTTCTATGGCTTCTCCTGCCAGCCAAGCAGATCTTGCCGAC
AGCAGAAGAGACCTGGCTTGGCCTGAAGACCATCATGGAGCACGTACGAGACCACCCCTAT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207608 representing NM_001013083
Red=Cloning site Green=Tags(s)

MRLTLLLAALLGYIYCQETFVGDQVLEIIPSHEEQIRTLQLAEAEHLELDFWKSPTIPGETVHVRVPFA
 SIQAVKVFLESQIDYSIMIEDVQVLLDQEREMLFNQQRERGGNFNFEAYHTLEEIYQEMDNLVAENPG
 LVSKVNISSFENRPMNVLFKSTGGDKPAIWL DAGIHAREVWTQATALWTANKIASDYGTDAITSLNLT
 LDIFLLPVTNPDGYVFSQTTNRMWRKTRSKRSGSGCVGDPNRRWDANFGGPGASSPCSDSYHGPKPNS
 EVEVKSIVDFIKSHGKVKAFITLHSYSQLLMFPYGYKCTKPDDFNELDEVAQKAAQALKRLHGTSYKVG
 ICSVIYQASGGSIDWAYDLGIKYSFAFELRDTGFYGFLLPAKQILPTAEETWLGLKTIMEHVRDHPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

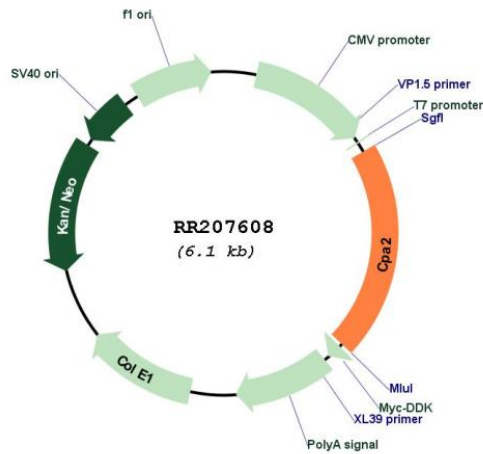
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013083

ORF Size:	1251 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001013083.2 , NP_001013101.2
RefSeq Size:	1306 bp
RefSeq ORF:	1254 bp
Locus ID:	296959
Cytogenetics:	4q22
MW:	46.9 kDa