

Product datasheet for **RR208147**

Cpe (NM_013128) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpe (NM_013128) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpe
Synonyms:	CARBE; Cph
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR208147 representing NM_013128
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGGGCGCGGAGGACGGGTGCTGCTGGCGCTGTGTGCCGCGCTGGTGGCCGGCGGGTGGCTGTTAG
 CGGCTGAAGCCCAGGAGCCCGGGGCGCCAGCGGCTGGCATGCGGCGGCGCCGCGGCTGCAGCAGGAGGA
 CGGCATCTCCTTCGAGTACCACCCTATCCCGAGCTGCGCGAGGCGCTGGTGTGGTATGGCTGCAGTGC
 ACCGCCATCAGCAGGATCTACACGGTGGGGCGCAGCTTCGAGGGCCGGGAGCTCCTGGTATCGAGCTGT
 CTGACAACCCCGGGTCCATGAGCCCGGTGAACCTGAGTTTAAATACATTGGGAACATGCATGGTAAATGA
 GGCGGTTGGACGGGAGCTGCTCATTCTTGGCCAGTACCTGTGAACGAATACCAGAGAGGGAATGAG
 ACAATTGTCAACCTGATCCACAGCACACGAATCCATATCATGCCCTCCTGAACCCCGATGGCTTTGAGA
 AAGCAGCATCTCAGCCCGGTGAGCTGAAGGACTGGTTCGTGGCCGCGAGCAATGCCAGGGAATAGATCT
 GAACCGGAACTCCAGACTTGGATAGGATCGTGTATGTTAATGAGAAAGAAGGCGGTCCCAACAACCAC
 CTGCTGAAGAATCTGAAGAAAATTGTGGACAAAATCAAAGCTTGCCCCGAGACCAAGGCTGTCAATC
 ACTGGATCATGGACATCCCATTTGTGCTCTCTGCCAACCTGCACGGAGGAGACCTCGTGGCTAATTACCC
 GTATGATGAGACGCGGAGTGGTACTGCTCACGAATACAGTTTCTGCCCTGATGACGCAATTTTCAAAGC
 TTGGCTCGGCATACTCTTTTCAACCCAGTCATGTCTGACCCCAATCGACCTCCCTGTGCAAGAATG
 ATGATGACAGTAGCTTTGTAGATGGAACAACCAATGGTGGTGCATGGTACAGCGTCCCGGTGGAATGCA
 AGACTTCAATTACCTGAGCAGCAACTGCTTTGAGTCACTGTGGAGCTTACGTGTGAGAAGTTCCCACT
 GAAGAGACTCTAAAAGCTACTGGGAAGATAACAAAACTCCCTCATCACTACCTGGAGCAGATACACC
 GAGGTGTTAAAGGTTTGTCCGTGACCTCAAGGTAATCCGATTGCCAACGCAACCATTTCCGTGGATGG
 GATAGACCATGATGTACCTCGGCTAAGGATGGGGATTACTGGCGATTGCTTGGCCTGGAAACTATAAA
 CTTACAGCCTCAGCTCCCGGCTACCTGGCAATCACAAGAAAGTGGCAGTTCTTTAGCCCTGCTGTTG
 GGGTGGACTTTGAGCTGGAGTCTTTCTATGAAAGGAAGGAGGAGGAGAAGGAAGAATTGATGGAGTGGT
 GAAAATGATGTCAGAGACTTTGAATTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208147 representing NM_013128
 Red=Cloning site Green=Tags(s)

MAGRGRVLLALCAALVAGWLLAAEAQEPGAPAAAGMRRRRRLQQEDGISFEYHRYPELREALVSVWLQC
 TAISRIYTVGRSFEGRELLVIELSDNPGVHEPGEPEFKYIGNMHGNEAVGRELLIFLAQYLCNEYQRGNE
 TIVNLIHSTRIHIMPSPNPDGFEKAASQPGELKDFVGRSNAQIDLNRFNPDLDRIYVYNEKEGGPNNH
 LLKNLKKIVDQNSKLAPETKAVIHWIMDIPFVLSANLHGGLVANYPYDETRSGTAHEYSSCPDDAIFQS
 LARAYSSFNPVMSDPNRPCKNDDSSFDVDTTNGGAWYSVPGMQDFNYLSSNCFEITVELSCEKFPF
 EETLKSYPWEDNKNLSINYLEQIHRGVKGFVRDLQGNPIANATISVDGIDHDVTSAKDGDYWRLLAPGNYK
 LTSAPGYLAITKKVAVPFSPAAGVDFELESFYERKEEKEELMEWWMSETLNF

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_013128

ORF Size: 1428 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:

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_013128.1](#), [NP_037260.1](#)

RefSeq Size: 2092 bp

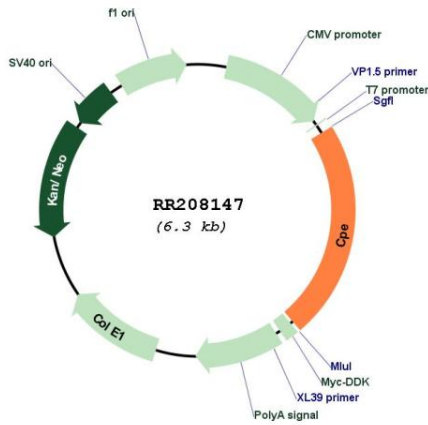
RefSeq ORF: 1431 bp

Locus ID: 25669

UniProt ID: [P15087](#)

Cytogenetics: 16p13
MW: 53.4 kDa
Gene Summary: may play a role in post-translational processing of peptide hormones including preproopiomelanocortin [RGD, Feb 2006]

Product images:



Circular map for RR208147