

Product datasheet for **RR208055**

Apeh (NM_012500) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apeh (NM_012500) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Apeh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR208055 representing NM_012500
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGTCAGGTGCTGCTGAGTGAGCCCCAGGAGGCGGCAGCGCTGTACCGGGCCTTAGCCGCCAGC
 CTTGCTGAGCGCGCCTGCCTGGGTCCGAGGTCAACACGCAGTATGGGGCCTCTATCGGACCGTGCA
 CACTGAGTGGAAGTCAAGGGACTTGGAGCGAATGGAGAACATCCGATTCTGCCGCCAGTACCTAGTGTTT
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 GCAGAGAGTCTCCTTCAGGCACCATGAAAGCTGTGCTTCGCAAGGCCGAGGCACAGTCTCAGGAGAGGA
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 AGCAGTCTGTGTCATGGGTGTCCCTGGAGGAGGCTGAACCTATTCTGGCATCCACTGGGGCGTCCGTGT
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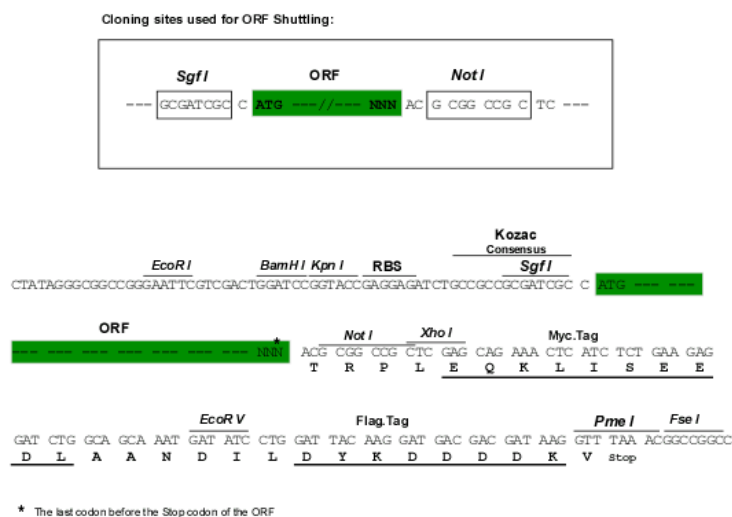
Protein Sequence: >RR208055 representing NM_012500
 Red=Cloning site Green=Tags(s)

MERQVLLSEPQEAALYRGLSRQPSLSAACLGPEVTTQYGGLYRTVHTEWTQRDLERMENIRFCRQYLVF
 HDGDSVVFAGPAGNSVETRSELLSRESPSGTMKAVLRKAGGTVSQEEKQFLEWKEKRLKSFNL SALEK
 HGPVYEDDCFGCLSWSHSETHLLYVAEKKRPAESFFQTKALDISASDDEMARPKKPDQAIGDQFVFYE
 DWGETMVSKSIPVLCVLDIDSGNISVLEGVNENSPGQAFWAPGDTGVVFGWWHEPFRLGIRYCTNRRS
 ALYYVDLSGGKCELLSDGSLAICSPRLSPDQCRIVYLQYPC LAPHHQCSQLCLYDWYTKVTSVVVDIVPR
 QLGEFSGIYCSLLPLGCWSADSQRVVFDSAQRSRQDLFAVDTQTGSITSLSLAAGSAGSWKLLTIDKDL
 VAQFSTPSLPPLKVGFLPPPGKEQSVSWVSLLEAEPIPGIHWGVRVLHPPPDQENVQYADLDFEAILLQ
 PSNPPDKTQVPMVMPHGGPHSSFVTAWMLFPAMLCCKMGFAVLLVNYRGSTGFGQDSILSLPGNVGHQDV
 KDVFQAVEQVLQEEHFDARRVALMGGSHGGFLSCHLIGQYPETYSACIARNPVINIASMMGSTDIPDWM
 VETGFPYSNSCLPDLNVWEMLDKSPIKIYIPQVKTPVLLMLGQEDRRVPFKQGMYYRALKARNVPVRL
 LYPKSNHALSEVAESDSFMNAVLLWHLHLGS

TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-NotI

Cloning Scheme:



ACCN: NM_012500

ORF Size: 2196 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_012500.1](#), [NP_036632.1](#)

RefSeq Size: 2381 bp

RefSeq ORF: 2199 bp

Locus ID: 24206

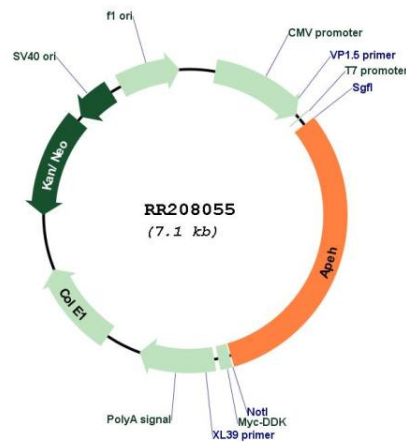
UniProt ID: [P13676](#)

Cytogenetics: 8q32

MW: 81.4 kDa

Gene Summary: catalyzes the removal of N alpha-acetylated amino acid residues from peptides [RGD, Feb 2006]

Product images:



Circular map for RR208055