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Product datasheet for MR210255

Apeh (NM_146226) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Apeh
Synonyms:	MGC38101
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR210255 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCGTCAGGTGCTGCTGAGTGAGCCCCAGGAGGCGGCAGCGCTGTACCGGGGCCTTAGCCGCCAGC
CTTCGCTGAGCGCCGCCTGCCTGGGCCCGGAGGTCACCACGCAGTATGGGGGCCTCTATCGGACTGTGCA
CACTGAGTGGACTCAGAGGGACTTGGATCGAATGGAGAACATCCGATTCTGCCGCCAGTACCTAGTGTTC
CATGATGGAGACTCGGTGGTGTTTGCCGGGCCTGCGGGCAACAGTGTGGAAACCCCGGGGGAGCTGCTGA
GCAGAGAGTCTCCTTCAGGCACCATGAAAGCAGTGCTGCGCAAGGCTGGAGGTGCAGTCTCGGGAGAGGA
AAAACAGTTCTTGGAGGTCTGGGAGAAGAACCGCAAGCTCAAGAGTTTCAACCTGTCTGCACTGGAGAAG
CATGGGCCTGTGTATGAAGATGACTGCTTTGGCTGCCTCTCCTGGTCACACTCAGAGACGCACTTGTTGT
ATGTGGCGGAGAAGAAGCGTCCCAAAGCTGAGTCCTTCTTTCAAACCAAAGCCTTGGACGTCAGTGCCAG
TGATGAGGAGATGGCCAGGCCGAAGAAGCCAGACCAGGCCATCAAGGGGGACCAGTTTGTATTTTATGAA
GACTGGGGAGAAACTATGGTTTCCAAAAGCATCCCTGTGCTCTGCGTGCTGGATATCGAGAGTGGTAACA
TCTCCGTGCTTGAGGGCGTCCCTGAAAATGTGTCCCCTGGTCAGGCTTTCTGGGCCCCTGGAGACACGGG
TGTGGTGTTTGTGGGCTGGTGGCACGAACCCTTCCGGCTAGGTATCCGCTACTGCACCAATCGCAGGTCA
GCCCTGTACTATGTGGACCTGAGCGGGGGGAAGTGTGAACTACTCTCGGATGAGTCCCTGGCTGTCTGCT
CTCCTCGGCTGAGCCCAGACCAGTGTCGCGTCGTCTACCTGCAGTACCCATCTCTAGCCCCTCATCACCA
GTGCAGCCAGCTCTTCCTGTATGACTGGTACACCAAGGTCACCTCATTGGTGGTGGACATTGTACCTCGG
CAGCTGGGAGAGAGCTTCTCTGGGATCTACTGCAGCCTCCTTCCTTTGGGATGCTGGTCAGCTGACAGCC
AGAGAGTGGTCTTCGACTCGGTCCAGCGCAGTCGGCAGGACCTGTTTGCTGTGGACACCCAGACAGGAAG
TGTCACCTCCCTGACAGCTGGGGGGTCAGCGGGAAGCTGGAAGCTGCTTACAATTGACCGAGACCTTATG
GTGGCCCAGTTCTCCACACCCAACCTGCCCCCGAGCCTGAAAGTCGGGTTCCTGCCTCCTGCTGGGAAGG
AGCAGTCTGTGTCATGGGTGTCACTGGAGGAGGCTGAACCTATTCCTGACATCCACTGGGGCATCCGAGT
GCTGCACCCACCTCCAGACCAAGAGAATGTACAATATGCTGACCTTGACTTTGAAGCAATCCTCCTGCAG
CCCAGCAACTCTCCAGATAAGAGCCAGGTCCCCATGGTAGTCATGCCCCATGCCATGCTTTGCAAGATGG
GCTTTGCAGTACTACTGGTGAACTATCGTGGTTCCACGGGCTTTGGCCAAGACAGCATCCTTTCCCTCCC
AGGCAATGTGGGCCACCAGGATGTGAAGGATGTCCAGTTCGCAGTGCAGCAGGTGCTCCAGGAGGAACAC
TTTGATGCAAGACGTGTGGCCCTTATGGGTGGTTCCCATGGTGGGTTCCTCTCCTGCCACCTGATTGGTC
AATACCCAGAAACCTACAGTGCCTGTATAGCCCGGAACCCAGTGATCAACATTGTCTCCATGATGGGCAC
CACTGACATCCCTGATTGGTGTATGGTGGAGACTGGCTTCCCTTATAGTAATGACTACCTGCCAGACCTG
AATGTGTTGGAAGAGATGCTGGATAAATCACCCATCAAGTACATCCCTCAGGTAAAGACACCAGTGTTAC
TGATGCTGGGCCAGGAGGACCGGCGTGTACCCTTCAAGCAGGGTCTGGAGTATTACCATGCCCTCAAGGC
CCGGAATGTGCCTGTCCGGCTCCTGCTGTATCCCAAGAGCACCCATGCGCTGTCAGAGGTGGAGGTGGAA
TCAGACAGCTTCATGAACACTGTGCTTTGGCTACACACACACTTGGGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

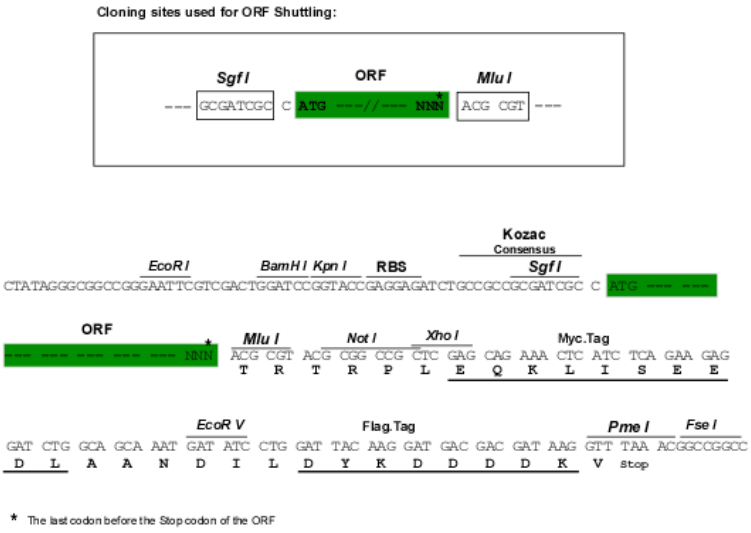
>MR210255 protein sequence
Red=Cloning site Green=Tags(s)

MERQVLLSEPQEAAALYRGLSRQPSLSAACLGPEVTTQYGGLYRTVHTEWTQRDLDRMENIRFCRQYLVF
HDGDSVVFAGPAGNSVETPGELLSRESPSGTMKAVLRKAGGAVSGEEKQFLEVWEKNRKLKSFNLSALEK
HGPVYEDDCFGCLSWSHSETHLLYVAEKKRPKAESFFQTKALDVSASDEEMARPKKPDQAIKGDQFVFYE
DWGETMVSKSIPVLCVLDIESGNISVLEGVPENVSPGQAFWAPGDTGVVFVGWWHEPFRLGIRYCTNRRS
ALYYVDLSGGKCELLSDESLAVCSPRLSPDQCRVVYLQYPSLAPHHQCSQLFLYDWYTKVTSLVVDIVPR
QLGESFSGIYCSLLPLGCWSADSQRVVFDSVQRSRQDLFAVDTQTGSVTSLTAGGSAGSWKLLTIDRDLM
VAQFSTPNLPPSLKVGFLPPAGKEQSVSWVSLEEAEPIPDIHWGIRVLHPPPDQENVQYADLDFEAILLQ
PSNSPDKSQVPMVVMPHAMLCKMGFAVLLVNYRGSTGFGQDSILSLPGNVGHQDVKDVQFAVQQVLQEEH
FDARRVALMGGSHGGFLSCHLIGQYPETYSACIARNPVINIVSMMGTTDIPDWCMVETGFPYSNDYLPDL
NVLEEMLDKSPIKYIPQVKTPVLLMLGQEDRRVPFKQGLEYYHALKARNVPVRLLLYPKSTHALSEVEVE
SDSFMNTVLWLHTHLGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_146226

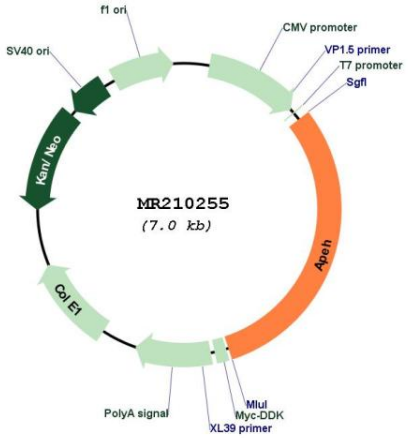
ORF Size: 2151 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_146226.1, NP_666338.1
RefSeq Size:	2407 bp
RefSeq ORF:	2199 bp
Locus ID:	235606
UniProt ID:	Q8R146
Cytogenetics:	9 59.07 cM
MW:	79.9 kDa
Gene Summary:	This enzyme catalyzes the hydrolysis of the N-terminal peptide bond of an N-acetylated peptide to generate an N-acetylated amino acid and a peptide with a free N-terminus. It preferentially cleaves off Ac-Ala, Ac-Met and Ac-Ser (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210255