

Product datasheet for **MR200116**

Apln (NM_013912) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apln (NM_013912) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Apln
Synonyms: 6030430G11Rik; Apel
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200116 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAATCTGAGGCTCTGCGTGCAGGCGCTGCTGCTGCTGGCTCTCCTTGACTGCAGTTTGTGGAGTGC
CACTGATGTTGCCTCCAGATGGAACAGGACTAGAAGAAGGAAGCATGCGCTACCTGGTGAAGCCCAGAAC
TTCGAGGACTGGACCAGGAGCCTGGCAGGGAGGCAGGAGAAATTCGCAGACAGCGCCCCGGCTCTCC
CATAAGGGCCCCATGCCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200116 protein sequence
Red=Cloning site Green=Tags(s)
MNLRLCVQALLLWLSLTAVCGVPLMLPPDGTGLEEGSMRYLVKPRTSRTGPGAWQGRRKFRRQRPRLS
HKGPMPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

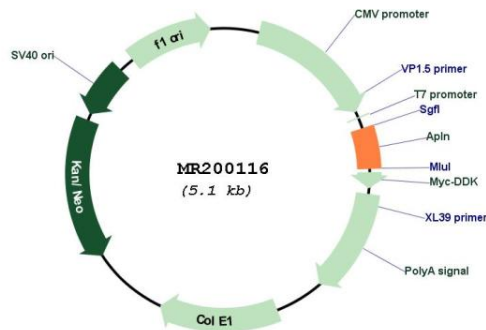


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Locus ID: 30878
UniProt ID: [Q9R0R4](#)
Cytogenetics: X A5
MW: 8.7 kDa

Gene Summary: This gene encodes the neuropeptide Apelin, an endogenous ligand of the G protein-coupled receptor APJ. This gene is highly expressed in the central nervous system and peripheral tissues and the encoded preproprotein undergoes proteolytic processing to generate mature peptides of different sizes that are secreted into the plasma. These peptides play important roles in a broad range of physiological processes such as cardiac contractility, blood pressure, blood vessel growth, appetite and drink behavior, and pituitary hormone secretion. Mice lacking the encoded protein develop progressive heart failure and exhibit a shorter bleeding time, prothrombotic profile and increased bone mass. [provided by RefSeq, Jul 2016]

Product images:



Circular map for MR200116