

Product datasheet for **RR202238**

Apmmap (NM_001034003) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apmmap (NM_001034003) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Apmmap
Synonyms: Ab2-305; RGD1308874
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202238 representing NM_001034003
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACCTCTTGATGCTGGCTGTGTCCTTGCCATTCCCTGCTTGGAGCCATGATGCTGTTGGAGTCCC
CCATAGATCCTCAGAGTTTCAGCTTCAAAGAACCCCTTTCATGTTTGGTGTCTGCAACCAAATACGAA
GTTGCGACAAGCAGAAAGGCTATTTGAAAACCACTTAACGGACCAGAATCCATAGTAAATATTGGGGAT
GTGCTGTTTACTGGCACAGCCGATGGCCGAGTTGTAAACTGGAGAATGGAGAAATAGAGACCATCGCCC
GGTTTGGTTCGGGCCCTTGCAAACCCGAGATGATGAACCTACCTGTGGGAGACCCTGGGCATCCGGGT
AGGACCCAACGGGACTCTTTTTGTGTTGATGCATACAAGGGACTGTTGGAAGTGAATCCTCAGAAACGT
TCAGTGAAACTGCTGCTATCCTCTGAGACTCCCATTGAGGGCAAGAAAATGTCCTTTGTGAATGATCTCA
CTATTACTCGGGATGGGAGAAAGATTTATTTACGGATTCTAGCAGCAAGTGGCAGAGACGAGACTACCT
GCTTCTGGTGTGAGGGCACTGATGATGGGCGCTTGTGGAGTATGATACCGTGACAAAAGAAGTGAAG
GTTTTGTTGGACCAGTTGCAGTTCCTAATGGAGTTCAGCTGTCTCCTGAGGAAGACTTTGCTGGTGG
CAGAGACAGCTATGGCCAGGATACGAAGAGTCTATGTGTCTGGCCTGATGAAAGGAGGGCAGACATGTT
TGTGGAGAACATGCCTGGATTTCCCTGACAATATCCGGCCAGCAGCTCTGGCGGGTACTGGGTTGCTGCT
GCAACCATTCTGCTAACCTGGGTTTTCCATGTTGGATTTCTTATCTGACAAGCCTTTTATCAAGAGAA
TGATTTTTAAGCTGTTTCAGTCAGGAGACAGTGTGAAGTTGTACCACGATATAGCCTGGTCTGGAAAGT
CAGTGACAGTGGTGCCTCCGGAGAAGCCTGCATGATCCTGATGGACAGGTGGTACCTATGTGAGTGAG
GCACATGAACACGATGGATACCTGTACCTGGGCTCCTTCAGATCTCCCTCATCTGCAGACTCAGCCTCC
AGTCAATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202238 representing NM_001034003
 Red=Cloning site Green=Tags(s)

MTFLMLAVSLAIPLLGAMMLLESPIDPQSF SFKEPPFMFVGLQPNTKLRQAERLFENQLNGPESIVNIGD
 VLFTGTADGRVVKLENGEIEETIARFGSGPCKTRDDEPTCGRPLGIRVGPNGTLFVVDAYKGLFEVNPQKR
 SVKLLLSSETPIEGKKMSFVNDL TITRDGRKIYFTDSSSKWQRDYLLLVMEGTTDGRLLLEYDTVTKEVK
 VLLDQLQFPNGVQLSPEEDFVLVAETAMARIRRVYVSGLMKGGADMVENMPGFPDNI RPPSSGGYWVAA
 ATIRANPGFSMLDFLSDKPF IKRMIFKLF SQETVMKFVPRYSLVLEVSDSGAFRRSLHDPDGQVVTYVSE
 AHEHDGYLYLGSFRSPFICRLSLQSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

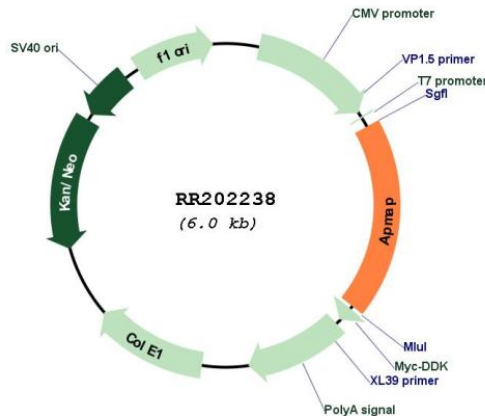
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001034003

ORF Size:	1128 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_001034003.1 , NP_001029175.1
RefSeq Size:	2099 bp
RefSeq ORF:	1131 bp
Locus ID:	366227
UniProt ID:	Q7TP48
Cytogenetics:	3q41
MW:	42.1 kDa
Gene Summary:	Exhibits strong arylesterase activity with beta-naphthyl acetate and phenyl acetate. May play a role in adipocyte differentiation (By similarity).[UniProtKB/Swiss-Prot Function]