

Product datasheet for MR212132

Camp (NM_009921) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Camp (NM_009921) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Camp
Synonyms: C; CAP; CAP18; CLP; Cnlp; Cr; Cramp; FAL; FALL39; MC; MCLP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR212132 representing NM_009921
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGTTCAGAGGGACGTCCCCTCCCTGTGGCTGTGGCGGTCACTATCACTGCTGCTACTGGGCC
 TGGGGTTCTCCCAGACCCCACTACAGGGATGCTGTGCTCCGAGCTGTGGATGACTTCAACCAGCAGTC
 CCTAGACACCAATCTCTACCGTCTCTGGACCTGGATCCTGAGCCCAAGGGGACGAGGATCCAGATACT
 CCCAAGTCTGTGAGTTCGAGTGAAGGAGACTGTATGTGGCAAGGCAGAGCGGCAGCTACCTGAGCAAT
 GTCCCTCAAGGAACAGGGGGTGGTGAAGCAGTGTATGGGGCAGTCACCCTGAACCCGGCCGCTGATTC
 TTTTGACATCAGCTGTAACGAGCCTGGTGCACAGCCCTTCGGTTCAAGAAAATTTCCCGCTGGCTGGA
 CTCTCCGCAAAGTGGGGAGAAGATTGGTAAAAGCTTAAGAAAATTGGCCAGAAAATTAAGAATTTT
 TTCAGAACTTGTACCTCAGCCAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR212132 representing NM_009921
 Red=Cloning site Green=Tags(s)

MQFQRDVPSSLWLRSLLLLLLGLGFSQTPSYRDAVLRVAVDFNQSLDTNLYRLLDLPEPQGDEDPDT
 PKSVRFRVKETVCGKAERQLPEQCAFKEQGVVKQCMGAVTLNPAADSFDISCNEPGAQPFRRFKKISRLAG
 LLRKGGEKIGEKLKKIGQKIKNFFQKLVQPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9026_e05.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009921

ORF Size: 516 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

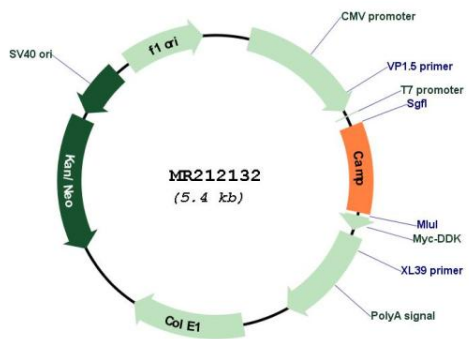
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_009921.2, NP_034051.2](#)
 RefSeq Size: 582 bp
 RefSeq ORF: 519 bp
 Locus ID: 12796
 UniProt ID: [P51437](#)
 Cytogenetics: 9 59.8 cM
 MW: 19.9 kDa

Gene Summary: This gene encodes a member of the cathelicidin family of antimicrobial peptides that play an important role in the defense against microbial infection. The encoded preproprotein undergoes proteolytic processing to generate a mature polypeptide before secretion by host cells such as neutrophils, epithelial cells and macrophages. Mice lacking the encoded protein exhibit increased susceptibility to group A streptococcus and Escherichia coli infections. [provided by RefSeq, Oct 2015]

Product images:



Circular map for MR212132