

Product datasheet for MR228296

Mpv17 (NM_001294324) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mpv17 (NM_001294324) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mpv17
Synonyms: Tg.Mpv17
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228296 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCACTCTGGCGAGCATACCAGAGAGCCCTGGCAGCACATCCGTGAAAGTCCAGGTTCTGACAGCTG
 GATCACTGATGGGCGTAGGTGACATGATCTCACAGCAGCTGGTGGAGAGGCGGGTCTCCAGCAACACCA
 GGCAGGCCGCACTCTGACCATGGTATCCCTGGGCTGTGGCTTTGTGGCCCTGTCGTCGGAGGCTGGTAC
 AAAGTTTTAGACCACTTAATCCCGGCACCACGAAGGTGCATGCACTGAAGAAGATGTTGTTAGATCAGG
 GGGGCTTTGCCCATGTTTCTAGGCTGCTTTCTCCCACTGGTGGGATACTCAATGGAATGTCAGCCCA
 GGACAATTGGGCCAACTGAAGCGGGACTACCCTGATGCCTCATCACCACACTACTATCTCTGGCCTGCT
 GTGCAGTTAGCCAACTTCTACCTGGTCCCCTGCATTACAGGTTGGCTGTTGTCCAGTGTGTTGCTATTG
 TCTGGAACCTCTACCTATCCTGGAAGGCACATCAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228296 protein sequence
 Red=Cloning site Green=Tags(s)

MALWRAYQRALAAHPWKVQVLTAGSLMGVGDMSIQQLVERRGLQQHQAGRTLTMVSLGCGFVGPVVGWY
 KVL DHL IPGTTKVHALKKMLLDQGGFAPCFLGCFLPLVIGILNGMSAQDNWAKLKRDPDALITNYLWPA
 VQLANFYLVPLHYRLAVVQCVAIVWNSYLSWKAHQF

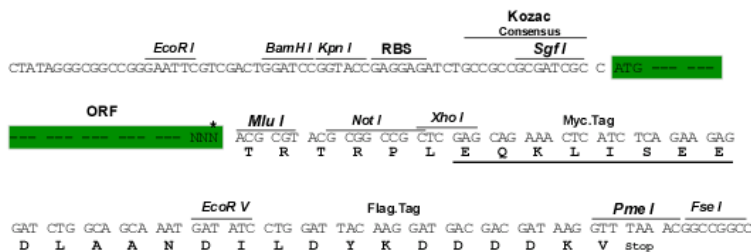
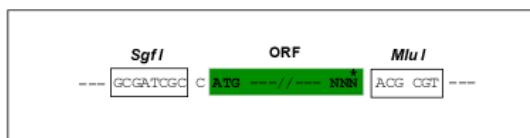
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001294324

ORF Size: 531 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_001294324.1](#), [NP_001281253.1](#)
RefSeq Size: 1744 bp

RefSeq ORF: 531 bp

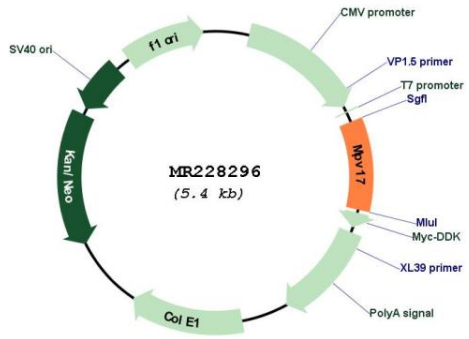
Locus ID: 17527

UniProt ID: [P19258](#)
Cytogenetics: 5 B1

MW: 19.7 kDa

Gene Summary: Involved in mitochondria homeostasis. May be involved in the metabolism of reactive oxygen species and control of oxidative phosphorylation and mitochondrial DNA (mtDNA) maintenance (Probable).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR228296