

Product datasheet for **RC228364**

MPND (NM_001159846) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MPND (NM_001159846) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MPND
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC228364 representing NM_001159846
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCAGCTCCGGAGCCGCTGTCCCCGGCGGGCGGTGCGGGCAGGAGGCGCCGGAGGAGGACGAGGACG
 AAGCGGAGGCCGAGGACCCTGAGCGGCCGAATGCGGGAGCGGGCGGTGGACGCACTGGCGCGCGGCAG
 TAGCGTCAGCGGAGGAGCGCGCGCGGGGCCGGGGGCTGCGCGGGCCCGGGGCGCGCTC
 ACCAGGCGCGCGGTCACTGCGGGTGTCTCTCAAAGACGCGCTGCTGGAGCTGGCGCCGGGTGTGT
 CCATCTACTACCTGGGAAGAAGTTCTGGGCGACCTGCAGCCAGACGGAAGGATCATGTGGCAGGAGAC
 CGGGCAGACCTTCAACTACCCAGCGCTGGGCCACCCACTGCAAGAAGCTGGTGAACCTGCCAAGAAG
 TCGGGCTGTGGTGGCCTCTGTCAAGTACAAAGGCCAGAACTGGACAAGTACAAGGCCACCTGGCTCC
 GGCTGCACAGCTGCACACGCTGCCACGGCTGTGATGAGAGCCAGCCAGTGAAGGGGAGGAGGAGGA
 GTTGCTGATGGAAGAGGAGGAGGAGGACGTTCTGGCAGGGGTCTCAGCAGAGGACAAGAGTCGGAGACCA
 CTGGGGAAGAGCCCTTCAGAGCCTGCCACCCGAGGCCACAACCCAGGGAAGCGGGTGGACAGCAAGA
 TCCGGGTTCGGTCCGCTACTGCATGCTGGCAGCCGCGACTTGCCAGGAACCCCCACACCTGGTGGA
 AGTAACATCCTTTCAGCCATCAACAAGTTCAGCCGTTCAACGTGGCTGTTTCTAGCAACGTGCTGTTT
 CTGCTGATCTACCAGAGCCTGTTCTGCGGGGCTGTCCCTGGTGGGCTGGTACCACAGCCACCCACACA
 GCGCGCGCTGCCATCTCTGCAGGACATCGACGCACAGATGGACTACCAGCTGCGGCTGCAGGGCTCCAG
 CAATGGCTTCAGCCCTGCTCGCCCTGCTCTGCTCCCTTACTATTCTGGCAACCCAGGCCCCGAGTCC
 AAGATCTACCTTTCTGGGTGATGCCTCCTCCGAGCAAAGGCCAGTGAATGTCATCCCCATGGATG
 TGGAGATGGCCTACGTCAGGACAGCTTCTGACCAATGACATCCTTACGAGATGATGCTGCTGGTGA
 GTTCTACAAGGGTTCCCTGACCTCGTGAGGCTCCAGGAACCTGGAGCCAGGAGCACACCTACCTCGAC
 AAGCTTAAGATCTCCTTGCCAGCAGGACGCCAAGGACCAGAGCCTGTGTACGTCTGGAACAGGTGT
 GCGGCGTCTCAAGCAGGGGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228364 representing NM_001159846
 Red=Cloning site Green=Tags(s)

MAAPEPLSPAGGAGEEAPEEDEDEAEADPERPNAGAGGGRSGGGSSVSGGGGGGAGAGGCGGPGGAL
 TRRAVTLRVLLKDALLEPGAGVLSIYYLGKKFLGDLQPDGRIMWQETGQTFNPSAWATHCKKLVPKAK
 SGCGWASVKYKGQKLDKYKATWLRHLQHTPATAADESPASEGEEEEELMEEEEEDVLAVSAEDKSRRP
 LGKSPSEPAHPEATTPGKRVDKIRVPVRYCMLGSRDLARNPHTLVEVTSFAAINKFQPFNVAVSSNVLF
 LLIIYQSLFLRGLSLVGWYHSHPHSPALPSLQDIDAQMDYQLRLQGSSNGFQPCALLCSPYYSGNPGPES
 KISPFWMPPPEQRPSDYGIPMDVEMAYVQDSFLTNDILHEMMLLVEFYKGSPDLVRLQEPWSQEHTYLD
 KLIKISLASRTPKDQSLCHVLEQVCGVLKQGS

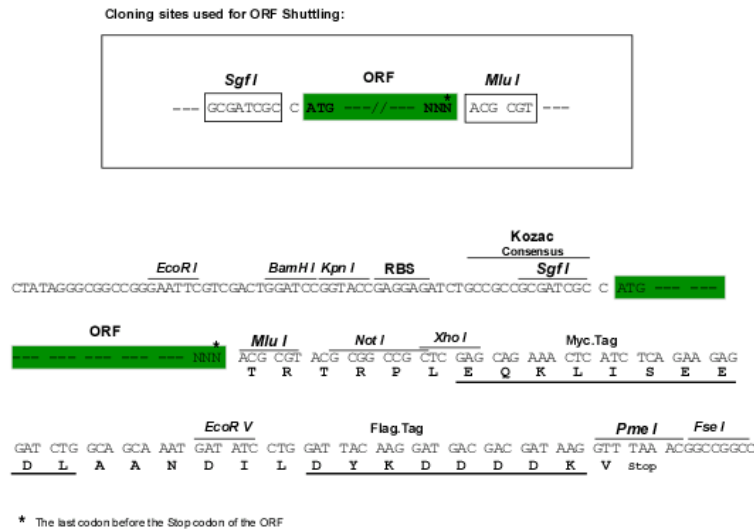
TRTRPLE**QKLISEEDLA**AND**ILDYKDDDDKV**

Chromatograms:

https://cdn.origene.com/chromatograms/mk8039_a12.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001159846

ORF Size: 1353 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_001159846.1](#), [NP_001153318.1](#)

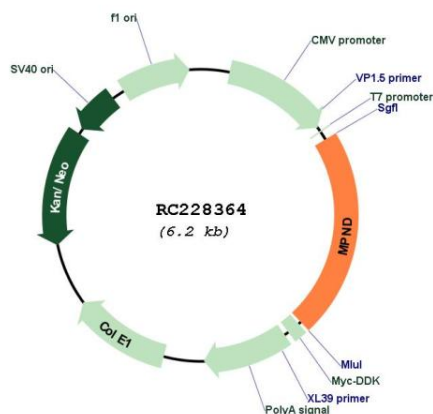
RefSeq ORF: 1356 bp

Locus ID: 84954

UniProt ID: [Q8N594](#)

Cytogenetics: 19p13.3
Protein Families: Druggable Genome, Transcription Factors
MW: 48.4 kDa
Gene Summary: Probable protease.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC228364