

Product datasheet for **RG207440**

MPND (NM_032868) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MPND (NM_032868) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MPND
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207440 representing NM_032868
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCTCCGGAGCCGCTGTCCCCGGCGGGCGGTGCGGGCAGGAGGCGCCGGAGGAGGACGAGGACG
 AAGCGGAGGCGGAGGACCTGAGCGGCCGAATGCGGGAGCGGGCGGTGGACGCAGTGGCGCGCGCGCAG
 TAGCGTCAGCGGAGGAGCGCGCGCGGGGCCGAGCGGGGGGCTGCGCGGGGCCCGGGGCGCGCTC
 ACCAGGCGCGCGGTCACTGCGGGTGCTCCTCAAAGACGCGCTGCTGGAGCCTGGCGCGGGGTGCTGT
 CCATCTACTACCTGGGAAGAAGTTCTGGGCGACCTGCAGCCAGACGGAAGGATCATGTGGCAGGAGAC
 CGGGCAGACCTTCAACTACCCAGCGCTGGGCCACCCACTGCAAGAAGCTGGTGAACCTGCCAAGAAG
 TCGGGCTGTGGCTGGCCTCTGTCAAGTACAAAGGCCAGAACTGGACAAGTACAAGGCCACCTGGCTCC
 GGCTGCACCACTGCACACGCTGCCACGGCTGCTGATGAGAGCCAGCCAGTGAAGGGGAGGAGGAGGA
 GTTGCTGATGGAAGAGGAGGAGGAGGACGTTCTGGCGGGGTCTCAGCAGAGGACAAGAGTCGGAGACCA
 CTGGGGAAGAGCCCTTCAGAGCCTGCCACCCGAGGCCACAACCCAGGGAAGCGGGTGGACAGCAAGA
 TCCGGGTTCGGTCCGCTACTGCATGCTGGGCAGCCGCGACTTGCCAGGAACCCCCACACCTGGTGGA
 AGTAACATCCTTTCAGCCATCAACAAGTTCAGCCGTTCAACGTGGCTGTTTCTAGCAACGTGCTGTTT
 CTGCTGGACTTCCACAGTCACCTGACACGGAGTGAGGTCGTGGGTACCTGGGGGGCCGCTGGGACGTCA
 ACAGCCAGATGCTGACGGTGCTCAGAGCCTTCCCTTGTGCGAGCCGGCTCGGGGACGCAGAGACTGCAGC
 TGCCATCGAAGAGGAGATCTACCAGAGCCTGTTCTGCGGGGCCGTGCTGCTGGTGGGCTGGTACCACAGC
 CACCCACACAGCCCGGCGCTGCCATCTCTGCAGGACATCGACGCACAGATGGACTACCAGCTGCGGCTGC
 AGGGCTCCAGCAATGGCTTCCAGCCCTGCCTCGCCCTGCTGCTCCCTTACTATTCTGGCAACCCAGG
 CCCCGAGTCCAAGATCTCGCCTTCTGGGTGATGCCTCCTCCCGAGATGCTGCTGGTGGAGTTCTACAAG
 GGTTCCTGACCTCGTGAGGCTCCAGGAACCTGGAGCCAGGAGCACACCTACCTCGACAAGCTTAAGA
 TCTCCTTGGCCAGCAGGACGCCAAGGACCAGAGCCTGTGTACGTCTGGAACAGGTGTGCGGCTCCT
 CAAGCAGGGGAGC

AC**CGGCCGCT**CGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG207440 representing NM_032868
 Red=Cloning site Green=Tags(s)

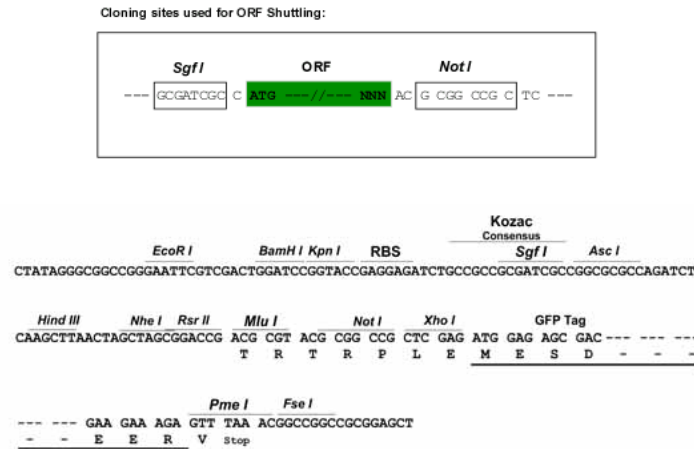
MAAPEPLSPAGGAGEEAPEEDEDEAEADPERPNAGAGGGRSGGGSSVSGGGGGGAGAGGCGGPGGAL
 TRRAVTLRVLLKDALLEPGAGVLSIYYLGKKFLGDLQPDGRIMWQETGQTFNPSAWATHCKKLVPKAK
 SGCGWASVKYKGQKLDKYKATWLRHLQHTPATAADESPASEGEEEEELMEEEEEDVLAVSAEDKSRRP
 LGKSPSEPAHPEATTPGKRVDKIRVPVRYCMLGSRDLARNPHTLVEVTSFAAINKFQPFNVAVSSNVLF
 LLDFFHSHLTRSEVVGYLGGRWDVNSQMLTVLRAFPSCRSLGDAETAAAIIEEIIYQSLFLRGLSLVGWYHS
 HPHSPALPSLQDIDAQMDYQLRLQGSSNGFQPCLALLCSPYYSGNPGPESKISPFWMPPPEMLLVEFYK
 GSPDLVRLQEPWSQEHTYLDKLIKISLASRTPKQSLCHVLEQVCGVLKQGS

TRPLE – GFP Tag – V

Restriction Sites:

SgfI-NotI

Cloning Scheme:



ACCN: NM_032868

ORF Size: 1413 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_032868.3](#)

RefSeq Size: 1530 bp

RefSeq ORF: 1416 bp

Locus ID: 84954

UniProt ID: [Q8N594](#)

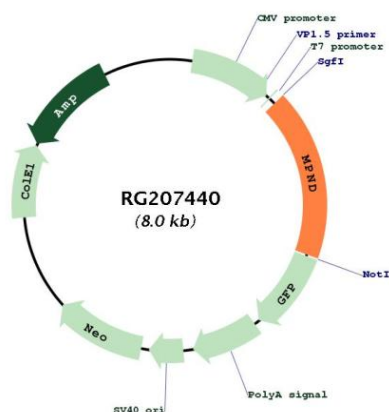
Cytogenetics: 19p13.3

Domains: JAB_MPND

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: Probable protease.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207440