

## Product datasheet for **MR210015**

### Prpf3 (NM\_027541) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf3 (NM_027541) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prpf3
Synonyms:	3632413F13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR210015 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGCTGTCTAAGCGGGAGCTGGATGAGCTGAAGCCATGGATAGAGAAGACGGTGAAGAGAGTGTCTGG  
GCTTCTCAGAGCCACAGTGGTCACTGCAGCCTTGAAGTGTGGGGAAGGGCATGGACAAAAAGAAGGC  
GGCTGATCACCTGAAACCTTTTCTTGATGATTCCACTCTCCGATTTGTGGATAAGCTGTTTGAGGCTGTG  
GAGGAAGGCCGAAGCTCAAGGCATTCCAAGTCTAGTAGTACAGAAGCAGAAAAGCGAGAGTTAAAGGAGG  
TGTTTGGTGTGACTCTGAGATCTCAAAGGAATCATCGGGGTAAAGAAGCGGGCATACCCCGTTTGA  
GGAGGTAGAAGAGGAGCCAGAGGTGATCCCTGGACCTCCATCAGAAAGCCCTGGCATGCTAACAAAGCTC  
CAGATCAAACAGATGATGGAAGCAGCAACACGACAAATCGAGGAACGGAAAAACAGCTGAGCTTCATCA  
GCCCCCTGCACCTCAGCCAAAGACACCTTCTTCTTCCCAACCTGAGCGACTTCCCATCGGCAACACTAT  
TCAGCCCTCCCAGGCCGCTACCTTTATGAACGATGCCATTGAGAAGGCGAGGAAAGCTGCCGAGCTGCAA  
GCCCGAATCCAGGCCAGCTGGCATTGAAGCCAGGGCTTATTGGCAATGCCAACATGGTGGGCTAGCTA  
ATCTCCATGCCATGGGCATAGCTCCACCGAAAAGTAGAGTTAAAAGACCAAATAAGCCTACCCCATTTGAT  
CCTGGACGAGCAAGGCCCACTGTGGATGCAACAGGCAAGGAGGTGGAGCTCACACATCGCATGCCACC  
CTGAAGGCAAACATTCGGGCTGTGAAGAGGGAACAGTTCAAGCAGCAGCTAAAAGAAAAGCCATCAGAAG  
ACATGGAGTCTAATACCTTTTTTACCCCGAGTCTCAATTGCCCTTCCCAGCGCCAAAGACGCACTTT  
TAAATTCATGACAAGGGCAAATTTGAGAAAATGCTCAACGATTACGGACAAAGGCTCAATTGGAGAAG  
CTGCAAGCAGAGATTTACAAGCTGCTAGAAAAACAGGCATTCACTTCGACTAGACTTGCCTCATTG  
CTCCCAAAAAGGAGCTAAAGGAAGGCGATATCCCTGAGATTGAGTGGTGGGACTCGTACATCATACCCAA  
CGGCTTTGACCTTACAGAGGAAAAATCCCAAGAGAGAAGATTATTTTGAATCACAAATCTTGTTGAACAT  
CCAGCCCAGCTTAATCCTCCAGTTGACAATGATACACCAGTTACCTTGGGGTATATCTTACGAAGAAGG  
AGCAGAAGAACTTCGGAGGCAAACAAGAAGGGAAGCACAGAAAGAGCTACAAGAGAAAGTCAAGGCTAGG  
CCTGACACCTCCTCCAGAGCCCAAAGTGAAGTCTCAAATTTAATGCGAGTATTAGGAACAGAAGCAGTT  
CAAGACCTTACAAGGTAGAAGCCATGTCAGAGCTCAGATGGCAAAGAGACAGAAAGCGCATGAAGAGG  
CCAACGCGGCCGAAAACCTTACAGCAGAACAGAGAAAGGTCAAGAAAATTTAAAAGCTTAAAGAAGACAT  
TTCACAGGGGTGCACATATCTGTGTATAGAGTTCGAAATTTGAGCAACCCAGCCAAGAAGTTCAAGATT  
GAGGCCAATGCTGGGAGCTGTACTGACAGGGTGGTGGTGTGCACAAAGATGTCAACGTGGTGGTAG  
TGAAGGGGGCCCAAAGCCAGAAGAAATTTAAGCGTCTCATGTACATCGGATAAAGTGGGATGAGCA  
GACATCTAACACGAAGGGAGATGATGATGAGGAATCTGATGAAGAAGCTGTGAAGAAAACAAATATGT  
GTACTAGTATGGGAGGTTACAGCCAAAGACCGGAGCTTTGGAGAGATGAAGTTTAAACAGTGCCTACAG  
AGAACATGGCTCGTGAGCATTTCAAAAGCATGGGGCTGAACACTACTGGGACCTTGCACTGAGTGAATC  
TGTGTTGGAGTCCACCGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210015 protein sequence  
 Red=Cloning site Green=Tags(s)

MALSKRELDLKPWIEKTVKRVLGFSEPTVVTAALNCVVGKMDKKAADHLKPFLLDDSTLRFVDKLF EAV  
 EEGRSSRHSKSSSDRSRKRELKEVFGDDSEISKESGKRRIPRFEEVEEVEVPIPGPPSESPGMLTKL  
 QIKQMMEAATRQIEERKKQLSFI SPPAPQPKTPSSSQPERLPIGNTIQPSQAATFMNDAIEKARAAELQ  
 ARIQAQLALKPGLIGNANMVGLANLHAMGIAPPKVELKDQTKPTPLILDEQGRVDTATGKEVELTHRMP  
 LKANIRAVKREQFKQLKEPSEDMESNTFFDPRVSIAPSQRRTFKFHDKGKFEKIAQRLRTKAQLEK  
 LQAEISQAARKTGHTSTRLLAL IAPKELKEGDIP EIEWWDSYIIPNGFDL TEENPKREDFYGITNLVEH  
 PAQLNPPVDNDTPVTLGVYLTKKEQKLLRRQTRREAQKELQEKVRLGLTPPPEPKVIRISNLMRVLGT EAV  
 QDPTKVEAHVRAQMAKRQKAHEEANAARKLTAEQRKVKKIKKLEDISQGVHISVYRVRNLSNPAKFKI  
 EANAGQLYL TGVVVLHKDVNVVVVEGGPKAQKFKRLMLHRIKWDEQTSNTKGDDEESDEEAVKKTNKC  
 VLVWEGTAKDRSFGEMKFKQCPTENMAREHFKKHGAEHYDLAL SESVLESTD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM\_027541

ORF Size: 2052 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\\_027541.1](#), [NM\\_027541.2](#), [NM\\_027541.3](#), [NM\\_027541.4](#), [NP\\_081817.2](#)

**RefSeq Size:** 2732 bp

**RefSeq ORF:** 2052 bp

**Locus ID:** 70767

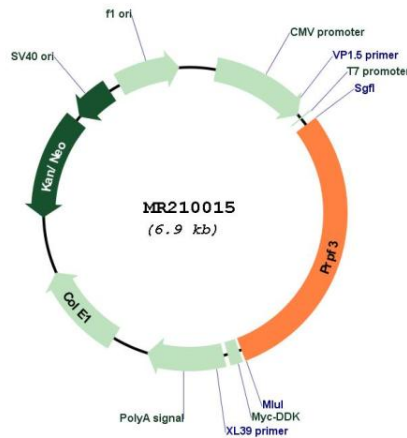
**UniProt ID:** [Q922U1](#)

**Cytogenetics:** 3 F2.1

**MW:** 77.5 kDa

**Gene Summary:** Plays role in pre-mRNA splicing as component of the U4/U6-U5 tri-snRNP complex that is involved in spliceosome assembly, and as component of the precatalytic spliceosome (spliceosome B complex).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR210015