

## Product datasheet for **RR203626**

### Rnf186 (NM\_001109592) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Rnf186 (NM\_001109592) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Rnf186  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >RR203626 representing NM\_001109592  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAGACATCCGCTGTCAGCAGGTACCCGGGAGAGCAGAAAGGAGGCCGGAAGCGTCCCCACGGGGC  
CGGAACCCATGCAAGTCCCGGCAGCTCCAGCGGACATCGCGTGCGGATGCCCTGCGCGGAACAGCCTCA  
TCCCCCAGCTCCGTACCCAGAGTGTCTGTACTGAGGCCACAGCCTATCCAGCGGGTGCCACCACC  
ACAAACACCATCATTGCCTTGGGGCCACTGGCGTCTCAGTATCTCCGTGGAGGGTGACCTGGAATGCT  
TGGTGTGCCGAGAGCCCTACAACCTGTGCCGCTCCCCAAGCTTGTAGCTGTCAGCACACCTTCTGTGC  
CGTATGCTTGAAGCTTCTGCTGTATGTGCAGGAAGACACCTGGTCCATCCCTGTCCACTGTGCCGAAAG  
GTCACTGCCGTCCCGGAGGCCCTCATCTGCAGCCTGCGAGACCAGGAGGCGATGGTGGGGCGTCTGGCCC  
TGCCATGCCAGAGGTGCGCCTGTGTCCCAGAGACTAGTGGGCCTGCTGCTTCAGCAGCAGCTCATCC  
AGCCAACCGGACAGGAGAAGACGAACAAGACGTAGTGAGTGTCAACCGTGTAGCTGCCCGGCGTCTGGCT  
GTACACTTGCTCTTGTGGCTCTTCTCATTGTACTTATCCTGCCTTTCATCTACCCCGGCGTCATCCGT  
GGGTGCTGGCCTTTGTCATTGCCCTAGCGCTCCTGATGTCCACCTATTCTGCTGTACCCCCAGAGCCA  
GAGCAGCAACTGGCCTTGCCCTAGGACTCTGTTCTGCAGAGAGCAAAGCAAACCCAGATCACTTCTATT  
GCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR203626 representing NM\_001109592  
Red=Cloning site Green=Tags(s)

```
MPDIRCQQVPAESRKEAGSVPTGPEPMQVPAAPADIACGCPCAEQPHPPSSVPRVSCTEAPQPIPAGATT
TNTIIALGPTGRLSISVEGDLECLVCREPYNCARSPKLLSCQHTFCVAVCLKLLL YVQEDTWSIPCPLCRK
VTAVPGGLICSLRDQEMVGRALALPCPEVRLCPQRLVGPAAASAAHPANRTGEDEQDVVSVNRVAARRLA
VHLLLLALLIVLILPFIYPGVI RWLAFVIALALLMSTLFCCHPQSQSSNWPCPRTLFCREKQKTQITSI
A
```

TRTRPLEQKLISEEDLANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3481\\_c02.zip](https://cdn.origene.com/chromatograms/ja3481_c02.zip)

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

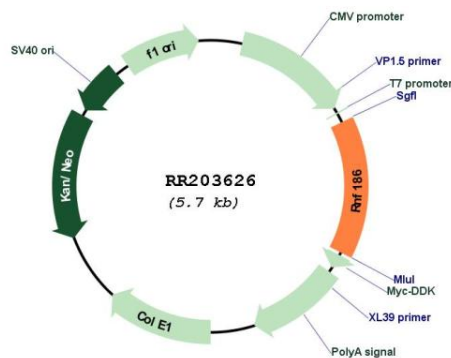
**ACCN:** NM\_001109592

**ORF Size:** 843 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](mailto: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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001109592.1</a></u> , <u><a href="#">NP_001103062.1</a></u>
<b>RefSeq Size:</b>	1225 bp
<b>RefSeq ORF:</b>	846 bp
<b>Locus ID:</b>	690433
<b>Cytogenetics:</b>	5q36
<b>MW:</b>	30.2 kDa

**Product images:**


Circular map for RR203626