

## Product datasheet for **RR215353**

### Tmem266 (NM\_001109294) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem266 (NM_001109294) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem266
Synonyms:	RGD1562084
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR215353 representing NM\_001109294  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCAGTCCACAACCTGCCATTGAAGGAGGGATTTCTGAAGTTGAGATTATCTCGCAACAAGTAGACG  
 AAGAAACCAAGAACATTGCTCCGGTGCAGCTGGTGAACTTTGCCTACCGGACCTGCCCTTGGCTGCTGT  
 AGACCTCTCCACCGGGGCTCACAGCTCCTGTGCAATTTGGACGAAGAGTACCAAGAGAAGGGTCTAAC  
 TGGCTGAAGCCGTGCTGTGGGAAGAGAGCGGCCGTGTGGCAGGTACTTTTCTCAGTGAAGTCTCAACA  
 GTTTCCTGGTAGCCTGTGTAATATTGGTGGTATTCTCCTGACTCTGGAACCTTCTAATAGATATAAAGCT  
 TCTCCAGTTTTCCAGTGCATTCCAGTTTCTGCTGTCTCATTCACTGGATCAGTCTGGTCTTCTCTGTG  
 TTCTTCTCAGAGACTATTCTACGGATCGTGGTACTGGGGATCTGGGATTACATCGAAAACAAAATAGAGG  
 TGTTTCGATGGGGCTGTGATCATCTGTCTTGGCCCCGATGGTGGCGTCCACTGTGGCTAACGGACCCAG  
 GAGCCCCGTTGGATGCCATCAGTCTCATTATCATGTTCCGAATCTGGCGGGTGAAGAGGGTCAATTGATGCC  
 TATGTCCTGCCAGTCAAGTTGGAGATGGAGATGGTCAACCCAGCAGTACGAGAAGGCCAAGGCCATCCAAG  
 ACGAGCATCTGGAGAGACTGACGCAAACTGTCTCAGGAGCAAGGGTTTGGATCCGGCAGCTGCGTGCCGA  
 CCTGGCACAGCAGGACCTGGATCTGGCAGCGGAGCGGGAGGCGGCGCTGCAGGCCCCACACGTGCTCAGC  
 CAGCCACGCAGCCGCTACAAGGTAGTGGAGGCTGGCACATGGGCCGAGGAGACCGCAGCCGAGAGCATCA  
 TGGAGGAGCTGAGGCCCTCTCAAGAAGCCATGGTAAAGACGATATGAACAGCTACATCAGCCAATACTA  
 CAACGGGCCAGCAGTACAGTGGAGCCCAAGACAGCAGTGTGTGGTCACTACAGCTGCCATAGAC  
 ATCCACCAGCCCAATATCACCTCAGACCTTCTCAGTCGACCTGCCTCTGAAGCTCAGTGGCAACAGCA  
 CCTGTGCCAGCGCCACCTCAGAGACCCTCCACCCACCTGTGGCTCAGTACCAGGCCAGAGTGC  
 CAGCAGCCAGACACTGGGTTCTCCACAGACTGTAGCACCCCGAGAAGAGCTGTCCTCTAAACCATA  
 TCTTCTCCCTGCCACTGCTTCTGCCCCCTCAGCAGCTGGTGGCGGAGGCCACAGTCCAGGACCTGATGT  
 CCTCTCTGTCAAAGGACCCCTGTCCATCCATAAGGCCTTGGACCCAGCACCCCTGGCCAGCCTACTCC  
 AGTGGGCTCTGTCCAGACCAGCCCTGAGCTGGAACATAGGGTAAGTCTGTTCAACCAGAAGAACCAGGAG  
 GCCCTCCCTGTTCTCAGATCAAGCCTGTATCCACTGCAGCCACAGCTGGGCTGGAGGAGAAGTTCA  
 GATCTTTGGAATCCAAGAGCCAAAGTTGCATACGGTTCTGAGACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR215353 representing NM\_001109294  
 Red=Cloning site Green=Tags(s)

MASPQPAIEGGISEVEIISQQVDEETKNIAPVQLVNFAYRDLPLAAVDLSTGGSQLLSNLDEEYQREGSN  
 WLKPCCGKRAAVWQVLLLSASLNSFLVACVILVVILLLELLIDIKLLQFSSAFQFAAVIHWISLVILSV  
 FFSETILRIVVLGIWDYIENKIEVFDGAVIILSLAPMVASTVANGPRSPWDAISLIIMFRIWRVKRVIDA  
 YVLPVKLEMEMVTQQYEKAKAIQDEHLERLTQICQEQGFEIRQLRAHLAQDLDLAAEREAALQAPHVLS  
 QPRSRKYVVEAGTWAEEETAESIMEELRPSQEAMVKDDMNSYISQYYNGPSSDSGAPEPAVCVVTTAAID  
 IHQPNITSDLFSVDLPLKLSGNSTCASATSETTSHPTCGSVTRAQSASSQTLGSSTDCSTPREELSSKPI  
 SSPLPLLLPPQQLVAEATVQDLMSLSKDPSPSHKALDPAQAQTPVGSVQTSPELEHRVSLFNQKNQE  
 ALPVLQIKPVIHLQPTAGLEEKFRSLESKEPKLHTVPET

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

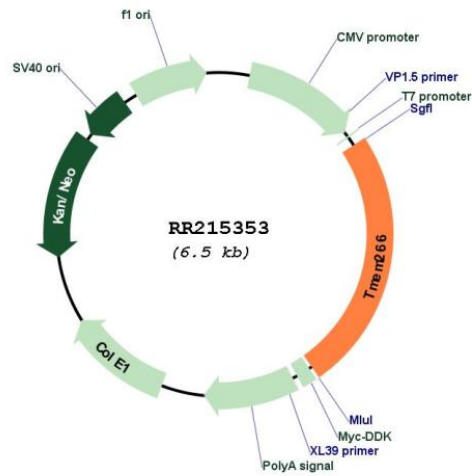
Cloning Scheme:

Cloning sites used for ORF Shuttling:



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

Plasmid Map:



<b>ACCN:</b>	NM_001109294
<b>ORF Size:</b>	1587 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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>	<a href="#">NM_001109294.1</a> , <a href="#">NP_001102764.1</a>
<b>RefSeq Size:</b>	2402 bp
<b>RefSeq ORF:</b>	1590 bp
<b>Locus ID:</b>	501002
<b>Cytogenetics:</b>	8q24
<b>MW:</b>	58 kDa