

## Product datasheet for RR216397

### Tmem59l (NM\_001271055) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem59l (NM_001271055) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem59l
Synonyms:	C19orf4; RGD1305557
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216397 representing NM_001271055 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTGCGGTAGCGTTGCCGCTGTTGTTGTTGTTGGCGTCACCGGCCACCCCAACCCAGCGCGCGACC  
CCTTCTCTCCGCAGCTCGGGGACACTCAGAGGTGCCAGCAGCGGTGTCGGCAGCGTCACCCTGGCTTGCC  
CCCTGCGCAGCCTGAGCCAGAGGGCCCTCTGAGTCCCGAATAACAAGGCCGCTCCTGATCAACGCTTGT  
GAGCGGGGCTGTCGGCTTTTCTCCATCTGCCGCTTCGTGGCCAGGAGCTCTAGGCCCAATGCCACAGAGA  
CAGAATGTGAAGCAGCCTGCACCGAGGCTTACGTGAAGGCAAAGGAGCAGCAGGCCCTGCAGTGAAGGGTG  
TTGGGGCCAGATCCCTGAACCTGAGACCCAGCTGGAGCAGAAGGAATTGGCTTTGGACCCACCTAGTGGG  
AGCCTCTCCCTGCGGCACCTGTTACCATGCTCTGCAGTGACCTTATGAGTTCTGCCAAGATTTAATAT  
CCTCCACCTGGACATACTCCCTCAGACAGACAACCGAAGGTGGTGGTGTCCAGACCCAGCCTGTGGT  
TGAGAACCTTGCATTCCAAGGGAGCCGCTGCAGCGGGTGGAGGTGACCTGGAGGGGGTCCCACCCCAAG  
GCCCTAGAGGTGCACATGGACCTATGAGCCCTTGGAGAAAGTGAGGAGGGCGAAGCCCACTGAAGA  
CCAGCAAAGCCAAGGTGGAGTCTGAGGACCAACAGGAGAGTGACTTCTCAGTTGCATGTCCAGGCGTTCC  
CGGGCTACCTCGATGGGTCTGTTCTGTTGCCTTCTCCTCCTCGTCTGATCATCCTGTGGCTGAGTTGC  
TGCACTCTGGTCAACACACCAGGCCAGCACCTCAAGTTCCAGCCTCTAACTGCAGAACAGCACAAGGCC  
TCTTGGTGGAGTCAAACCTGGCCCTTGTACCCACCCCTGCCACCTGCTTATGAGGACAGCCCCCGCCTTA  
CAAGTTGAAGCTTGATTTGACCACGCTG

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216397 representing NM\_001271055  
 Red=Cloning site Green=Tags(s)

MAAVALPLLLLLASPATPTPARDPFSPQLGDTQRCQQRQRHPGLPPAQPEPEGPSESPNNKAVLINAC  
 ERGRLFSICRFVARSSRPNATECEAACTEAYVKAKEQQACSEGCWGQIPEPETQLEQKELALDPPSG  
 SLSLRHLFTMLCSDLMSSAQLISSTWTYSLQTDNRKVVVFQTPVVENFAFQGSRLQRVEVTRGSHPK  
 ALEVHMDPMSPLEKVRRAKPHLKTSAKVESEDQQESDFLSCMSRRSGLPRWVLFCLFLSVLIILWLS  
 CTLVTTPGQHLKFQPLTAEQHKGLLVESNWPLYPLPPAYEDSPPPYKLLDLTL

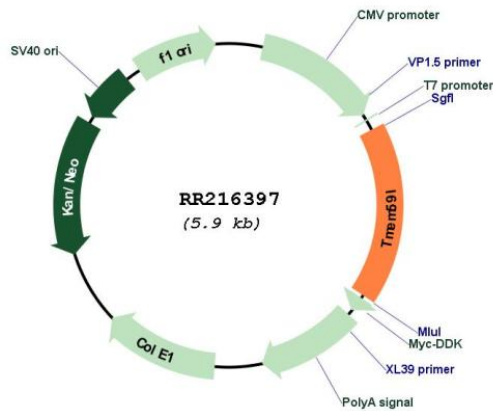
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001271055

**ORF Size:** 1008 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_001271055.1</a> , <a href="#">NP_001257984.1</a>
<b>RefSeq Size:</b>	1485 bp
<b>RefSeq ORF:</b>	1011 bp
<b>Locus ID:</b>	306349
<b>Cytogenetics:</b>	16p14
<b>MW:</b>	37.5 kDa