

## Product datasheet for **RR211159**

### Tmem248 (NM\_001004204) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem248 (NM_001004204) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem248
Synonyms:	Tmem248
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211159 representing NM_001004204 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTT**CAGC**ATTAACCCCTTGGAGAACCTGAAGCTGTACATCAGCAGCCGGCCACCGTTGGTGGT**TTTTA**  
TGATCAGTGT**CAGCGCC**ATGGCCATCGCCTTCTCACCCCTGGGCTACTTCTTCAAGATCAAGGAGATTAA  
GTCC**CCAGAA**TGGCTGAGGATTGGA**ACTTTCTGCT**CCGGTTAATGATTTGGACTTGTGTATCA  
GAAATGAGACACTGAAGCATCTCTCAACGATACCACCACACCTGAGAGCACCATGACCATCGGGCAA  
CCAGATCGTCCACCCAGCCGCCAGTCCCTGGAGGAGTCAGGCCCATCAATATTT**CAGTGGCC**ATTAC  
CTTGACCTTGGACCTCTCAAGCCCTTTGGAGGGTACTCTCGAAATGTCACACACCTGACTCCACCATC  
CTTGGCCATCAGATTGGATTGT**CAGGCAGGGA**AGCCCATGAGGAGATCAACATCACCTTCCACCCTGCCTG  
CTGCCTGGAA**TGCCGATGACTGTGCT**CCATGGCCACTGTGAGCAGGTGGTGTTCACAGCATGCATGAC  
CCTCACAGCTGCCCTGGAGTCTCCCTGTCACCGTTCAGCCACCTCACTGTGTCCCGACACATACAGC  
AACGCCACACTCTGGTACAAGATCTTCA**CAACTGCCAGAGATGCCAACACGAAATACGCTCAAGACTACA**  
ACCCTTTCTGGTGT**ACAAGGGCGCCAT**TGGGAAAGTCTACCAGCTTTAAATCCCAAGCTCACCGTCAT  
TGTCCCAGATGACGACCGCTCCTTAATAAACTGCATCTCATGCACACCGTTACTTCTTTTCGTGATG  
GTGATAACGATGTTCTGCTATGCAGTTATCAAAGGCAGACCCAGCAA**ACTGCGGCAGAGCAATCCTGAAT**  
TTTGCCCTGAGAAGTGGCTTTGGCTGATGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RR211159 representing NM\_001004204  
 Red=Cloning site Green=Tags(s)

MFSINPLENLKLYISSRPLVVFMISSVSAMAI AFLTLGYFFKIKEIKSPEMAEDWNTFLLRFNDLDCVSE  
 ENETLKHLSNDTTTPESTMTIGQTRSSQPPQSLEESGPINISVAITLTDPLKPFGGYSRNVTHLYSTI  
 LGHQIGLSGREAEHEEINITFTLPAAWNADDCALHGHCEQVVFACMTLTAAPGVFPVTVQPPHCVPDTYS  
 NATLWYKIFTTARDANTKYAQDYNPFWCYKGAIGKVYHALNPKLTVIVPDDDRSLINLHLMHTSYFLFVM  
 VITMFCYAVIKGRPSKLRQSNPEFCPEKVALADA

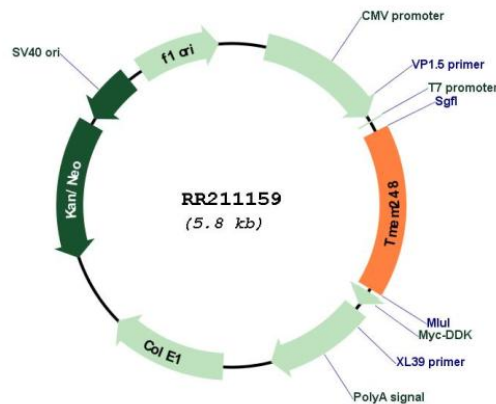
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001004204

**ORF Size:** 942 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_001004204.2</a> , <a href="#">NP_001004204.1</a>
<b>RefSeq Size:</b>	1700 bp
<b>RefSeq ORF:</b>	945 bp
<b>Locus ID:</b>	288616
<b>UniProt ID:</b>	<a href="#">Q6AY76</a>
<b>Cytogenetics:</b>	12q12
<b>MW:</b>	35.1 kDa