

## Product datasheet for **RR216441**

### **Tmem116 (NM\_001159625) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem116 (NM\_001159625) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tmem116  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216441 representing NM\_001159625  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCCTCCCACTGGAGCTTTTTCTCGCATACAGTGGATACAGTTGCCGTGGCTACTCTGAGTGTTA  
TAGGTTCCAGTTCACCTTATCACCTACATCGTGTCCAGAACCACAGAAGTCTGCAGAGGTAAGTCACT  
CTTGATCTGAGCTTCTCTGACCTGCTCCTGGGAATTTGCTGGCTCATAAAGCACTTGTCTATGGAACC  
GCAGCAGCCACAAGGACAGCATCTGCTATAACCTACAGACTGCAGGAGAGATTTCTACCTGGCCCTCAC  
TCGTCTTCACCGTCAGTTACATCTGGTGTCTGTACGCGGAGCTGAGGAGGAAGCACAGCCGAGCGAGCA  
GAGCACAGCTGCGCAGGTGACAGATTACGCTTGCCAAGGTGGTTGTGTAATGTTCCCTTTGTCAAGCCTG  
ACACCTCTGCTGTTGATGACGCCTGTGTTCTTTCTGGCAACGTCAATGAATGTTCCACAACCTTCAGCC  
AGAACCACAGGTGTATGCTAATGCACTCTGAGCCACTGCCCTCCACCAACACGTCTGTCTGCAGCACACT  
CTATCTTTATGGTGTACCGTTTTCTGGCCAGCTTTTTCTTCAGCCTCCTCACCATTGTGGTCTTACTC  
GTCCTCGCCAGACGTTATATAAGAAGTTGTGAAATCCATGGGCCTTCTGGAGAGCGAGCAGTGGCGAG  
TGATCCACACGGTGGGTGAGCGAGTGCCTTTTTCCAGCGGCCCTTGTGTGCTGCTGGGCCCAGCTGT  
CACACTGCTGATCATGAAGCTGACCAAGCCGAGGAGACCTCCCTGCACGTGGCCCTCTCTGTGCTCCAG  
GCTCTTACAGCAGCATCCAGGGGCTGCTCAACTGTGGCATTATGGCTGGACACAGTGAAGTCCAGC  
AGATAAAGCGCGAGCCTCCCCGTGACGCAGACACTCAGACCCCACTGCTGTGCTCACAGAAGAGAGTTTA  
TAGCAGGAGCCGAGCGCATCGAGGCCTCCTCTTGCCCTTGTCCAGCTCTTCCACCGTTCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216441 representing NM\_001159625  
 Red=Cloning site Green=Tags(s)

MALPLELFPAIQWIQFAVATLSVIGSSSLITYIVFQNPQKSAEVKSLLYLSFSDLLLGICWLKALVYGT  
 AAAHKDSICYNLQTAGEIFYLASLVFTVSYIWCLYAELELRKHSPEQSTAAQVTDYACQGGCVMFLLSSL  
 TPLLLMTPVFFLGNVNECFHNFSQLHRCMLMHSEPLPSTNTSVCSTLYLYGVTVFLASFFFSLLTIVVLL  
 VLAQTL YKFKVSMGLLESEQWAVIHTVGQVRVFFPAAFVCCWGPVAVTLLIMKLT KPQETSLHVALSVLQ  
 ALTAASQGLLNCGIYGTQCKFQQIKREPPRADTQTPLLLCSQKR VYSRSPSASRPPLAFASSSTVL

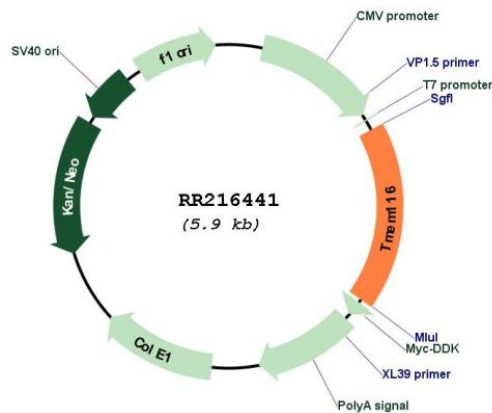
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001159625

<b>ORF Size:</b>	1044 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_001159625.1</a> , <a href="#">NP_001153097.1</a>
<b>RefSeq Size:</b>	1357 bp
<b>RefSeq ORF:</b>	1047 bp
<b>Locus ID:</b>	690442
<b>Cytogenetics:</b>	12q16
<b>MW:</b>	38.6 kDa