

## Product datasheet for MR213050

### Tmem116 (NM\_001161627) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem116 (NM\_001161627) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tmem116  
**Synonyms:** 4930406A18Rik; 4930513P12Rik; C030022K24Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR213050 representing NM\_001161627  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTTCCCACTGGAGACCAGCCGCTGGAAGGCAGATGGGAGCCTCTTTTCTGCAATACAGTGGA  
TACAGTTTGTGTGGCTACTCTGAGTGTATAGGCTCCAGTTCCTCCTCACCTACATCGCGTTCAGAG  
CCCACAGAAGTCTGCAGAGATAAAGCCACTCTTGTATCTGAGCTTCTCTGACCTGCTCTGGGAATTTGC  
TGGCTCGTAAAGGCACTTCTCTATGGAAGTGCAGCAGCCACAAGGACAGCATCTGCTATAACCTACAGA  
CCGTGGGGGAGATTTTCTACCTTGCCCTCACTCCTACACCGTCAGCTACATCTGGTGTCTGTACTCGGA  
GCTGAGGAGGAAGAGCGGCCAGAGTGAGAGGAGCACGGTTGCCAGGTGACAGATTATGTTTGCCAAGGT  
GGTCACATATTGTTCTTTTGTCAAGCCTGATACCTCCGCTGCTGATGACGCCTGTGTTCTTTTGGGCA  
ATGTCAATGAATGTTTCCACAACCTTCAGTGAGAGCCACAGGTGTATCCTAATGCACTCACCGCCATCAGC  
CACGCCTGAGCCCTGCCTTCCACCAATACATCTGTCTGCAGCACACTCTATTTTATGGTGTCAACCATT  
TTCCTGGCCAGCTTTTCTTCCAGCTTCTCACCATCATGGTCTTACTCGTCCATGCCAGATGTTATATA  
AGAAGTTTGTGAAGTCGACGGGCCTTCTGGAGAGTGAGCAGTGGGCAAGTATTACACTGTGGGCCAGCG  
AGTGCCTTCTCCAGTGGCCTTGTGTGCTGCTGGGGTCCAGCTGTCAACCCTGCTGATCATGAAGCTG  
ACAGAGCCTCAGGAGACCTTCTGCACATGGCCCTCTGTGCTCCAGGCTCTCACAGCAGCATCCCAGG  
GGCTGCTCAACTGTGGCATTATGGCTGGACACAGTGCAAGTTCAGCAGATAAAGCGTGAGCCTCACCG  
TGACGCAGACACGACACCCCACTGCTGTGCTCACAGAAGAGAATTTATAGTAGAAGCCCAACCTACTG  
GAGTCTCCTTTGCCCTTGTCTCCAGCTCCTCCACCGTCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR213050 representing NM\_001161627  
 Red=Cloning site Green=Tags(s)

MAFPLETSRLEGRWEPLFPAIQWIQFAVATLSVIGSSSLLTYIAFQSPQKSAEIKPLLYLSFSDLLLGIC  
 WLVKALLYGTAAAHKDSICYNLQTVGEIFYLASLLYTVSYIWCLYSELRRKSGQSERSTVAQVTDYVCQG  
 GHILFLLSSLIPLLMTPVFLLGNVNECFHNFSESHRCILMHSPPSATPEPLPSTNTSVCSTLYFYGVTI  
 FLASFFFSFLTIMVLLVHAQMLYKFKVKSTGLLESEQWAVIHTVGQRVRFPPVAFVCCWGPVAVTLLIMKL  
 TEPQETFLHMALSVLQALTAASQGLLNCGIYGTQCKFQQIKREPHRDADTQTPLLLCSQKRIYSRSPNLL  
 ESPLALASSSTVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001161627

**ORF Size:** 1092 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** 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).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  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.

**RefSeq:** [NM\\_001161627.1](#), [NP\\_001155099.1](#)

**RefSeq Size:** 1364 bp

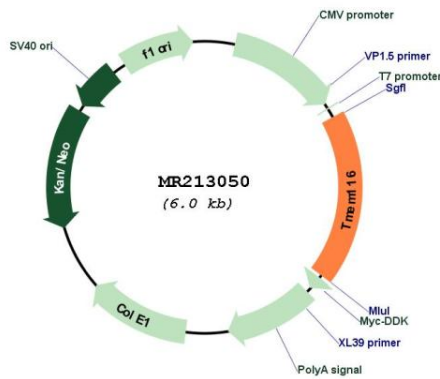
**RefSeq ORF:** 1095 bp

**Locus ID:** 77462

**Cytogenetics:** 5 F

**MW:** 41.2 kDa

**Product images:**



Circular map for MR213050