

## Product datasheet for MR228857

### Tmem53 (NM\_001285814) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem53 (NM_001285814) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem53
Synonyms:	1110038M16Rik; 1500001P22Rik; 1700012A05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR228857 representing NM_001285814 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGAATCCTGATGGAAAGAACAGACAAGGTGGGAAGGAAGCTGGGAAGCAACAGCCTGTGGTGATTCTCT  
 TGGGCTGGGGAGGCTGCAGGGACAAGAACCTGGCCAAGTATAGTGCTATCTACCACAAAAGGGGCTGCAT  
 TGTGATCCGATACACGGCCCCCTGGCACATGGTCTTCTCTCTGAGTCCTGGGCATCCCTTCACCTTCGC  
 GTGATAGCCCAGAACTGCTGGAGCTCCTTTGACTATGAGATTGAGCGGGAGCCTCTGCTCTTCCACG  
 TCTTCAGCAATGCCGGCGTCATGCTCTACCGCTACGTGCTGGAGCTCCTACAGACCCACCAGCGCTCCG  
 CCATTTGCATGTGGTGGGCACCATCTTTGACAGTGGTCCTGGCGATAGCAACCTGATAGGGGCCCTGAGG  
 GCTCTGGCAACCATCCTGGAGCGCCGACCTGCGGTGCTGCGCCTGTTGCTCCTGGCAGCATTTGCCCTGG  
 TGGTGATCCTGTTTCACTTCTGCTTGCTCCATTCACCTGACCTCTTCCACACCCACTTCTACGACAGGCT  
 GCAGGACTCAGGCTCCTGCTGGCCTGAACCTCTACCTCTACTCTAGAGCTGATAAGGTGGTCTCGGCCAGG  
 GATGTGGAACGTATGGTAGAGGCACGCCTGGCTCACCAGGTCATGGTGCGTGGAGTGGAATTTGTGTCAT  
 CTGCGCATGTGAGCCACCTCCGAGACTATCCTACTTACTATACAAGTCTGTGTGTTGACTTCATGCATAA  
 TTGTGTCCAATGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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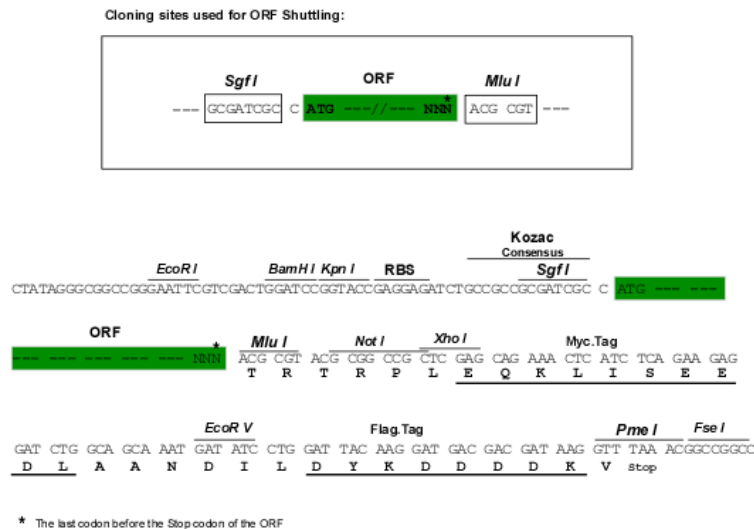
**Protein Sequence:** >MR228857 representing NM\_001285814  
 Red=Cloning site Green=Tags(s)

MNPDGKNRQGGKEAGKQQPVVILLGWGGCRDKNLAKYSAIYHKRGCVIRYTAPWHMVFFSES LGIPSLR  
 VIAQKLELLFDYEIEREPLL FHVFSNAGVMLYRYVLELLQTHQFRHLHVVGTFD SGPGDSNLIGALR  
 ALATILERRPAVLRLLLLAALFVILFHFLLAPFTALFHTHFYDRLQDSGSCWPELYLYSRADKVV SAR  
 DVERMVEARLAHQVMVRGVDFVSSAHVSHLRDYPYTTSLCVD FMHNCVQC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001285814

**ORF Size:** 783 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\\_001285814.1](#), [NP\\_001272743.1](#)

**RefSeq Size:** 1085 bp

**RefSeq ORF:** 786 bp

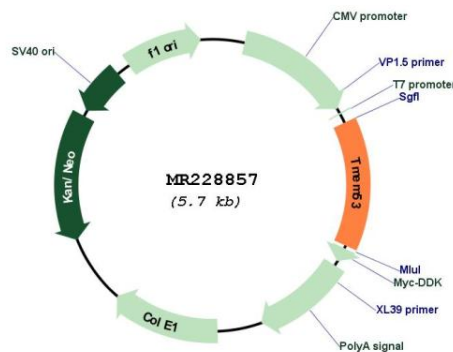
**Locus ID:** 68777

**UniProt ID:** [Q9D0Z3](#)

**Cytogenetics:** 4 D1

**MW:** 30.3 kDa

## Product images:



Circular map for MR228857