

Product datasheet for **MR228857**

Tmem53 (NM_001285814) Mouse Tagged ORF Clone

Product data:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAATCCTGATGGAAGAAGACAGACAAGGTGGGAAGGAGCTGGGAAGCAACAGCCTGTGGTGATTCTCT
TGGGCTGGGGAGGCTGCAGGGACAAGAACCTGGCCAAGTATAGTGCTATCTACCACAAAAGGGGCTGCAT
TGTGATCCGATACACGGCCCCCTGGCACATGGTCTTCTCTCTGAGTCCTGGGCATCCCTTCACCTCGC
GTGATAGCCCAGAACTGCTGGAGCTCCTTTGACTATGAGATTGAGCGGGAGCCTCTGCTCTTCACG
TCTTCAGCAATGCCGGCGTCATGCTCTACCGCTACGTGCTGGAGCTCCTACAGACCCACCAGCGCTCCG
CCATTTGCATGTGGTGGGCACCATCTTTGACAGTGGTCTGGCGATAGCAACCTGATAGGGGCCCTGAGG
GCTCTGGCAACCATCCTGGAGCGCCGACCTGCGGTGCTGCGCCTGTTGCTCCTGGCAGCATTTGCCCTGG
TGGTGATCCTGTTTCACTTCTGCTTGCCTCATTCACTGCCCTCTCCACACCCACTTCTACGACAGGCT
GCAGGACTCAGGCTCCTGCTGGCCTGAACCTACTCTACTCTAGAGCTGATAAGGTGGTCTCGGCCAGG
GATGTGGAACGTATGGTAGAGGCACGCCCTGGCTACCAGGTCATGGTGCCTGGAGTGGACTTTGTGTCAT
CTGGCGCATGTCAGCCACCTCCGAGACTATCCTACTTACTATAACAAGTCTGTGTGTTGACTCATGCATAA
TTGTGTCCAATGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228857 representing NM_001285814
Red=Cloning site Green=Tags(s)

MNPDGKNRQGGKEAGKQPVVILLGWGGCRDKNLAKYS AIYHKRGCIVIRYTAPWHMVFFSES LGIPSLR
 VIAQKLELLFDYEIEREPLLFHVFSNAGVMLYRYVLELLQTHQRFRLHVVGTFD SGPGDSNLIGALR
 ALATILERRPAVLRLLLLAAAFALVVILFHFLAPFTALFHTHFYDRLQDSGSCWPELYLYSRADKVV SAR
 DVERMVEARLAHQVMVRGVDFVSSAHVSHLRDYPTYTSLCVD FMHNCVQC

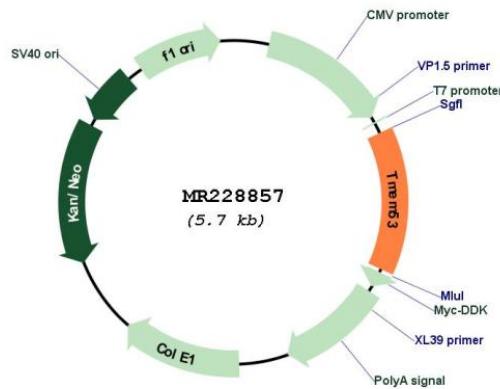
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285814
ORF Size: 783 bp

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| 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: | <ol style="list-style-type: none">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 |