

Product datasheet for **MR228497**

Tmem53 (NM_001285815) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem53 (NM_001285815) 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:	>MR228497 representing NM_001285815 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTCTTCTTCTCTGAGTCCTTGGGCATCCCTTCACTTCGCGTGATAGCCAGAACTGCTGGAGCTCC
 TCTTTGACTATGAGATTGAGCGGGAGCCTCTGCTCTCCACGTCTTCAGCAATGCCGGCGTCATGCTCTA
 CCGCTACGTGCTGGAGCTCCTACAGACCCACCAGCGCTTCGCCATTTGCATGTGGTGGGCACCATCTTT
 GACAGTGGTCTGGCGATAGCAACCTGATAGGGGCCCTGAGGGCTCTGGCAACCATCCTGGAGCGCCGAC
 CTGCGGTGCTGCGCCTGTTGCTCCTGGCAGCATTTGCCCTGGTGGTGATCCTGTTTCACTTCTGCTTGC
 TCCATTCACTGCCCTTCTCCACACCCACTTCTACGACAGGCTGCAGGACTCAGGCTCCTGCTGGCCTGAA
 CTCTACCTCTACTCTAGAGCTGATAAGGTGGTCTCGGCCAGGGATGTGGAACGTATGGTAGAGGCACGCC
 TGGCTCACCAGGTGATGGTGCCTGGAGTGGACTTTGTGTCATCTGCGCATGTGAGCCACCTCCGAGACTA
 TCCTACTTACTATACAAGTCTGTGTGTTGACTTCATGCATAATTGTGTCCAATGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR228497 representing NM_001285815 Red=Cloning site Green=Tags(s)
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MVFFSESLGIPSLRVIAQKLELLFDYEIEREPLLFHVFSNAGVMLYRYVLELLQTHQRFRLHVVGTIF
 DSGPGDSNLIGALRALATILERRPAVLRLLLLAAAFALVVILFHLLAPFTALFHTHFYDRLQDSGSCWPE
 LYLYSRADKVVSAARDVERMVEARLAHQVMVRGVDFVSSAHVSHLRDYPTYTSLCVD FMHNCVQC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001285815

ORF Size: 615 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

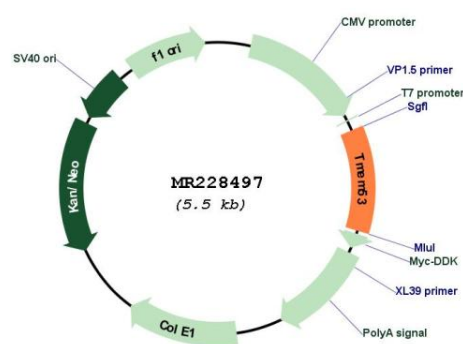
RefSeq: [NM_001285815.1](#), [NP_001272744.1](#)

RefSeq Size: 1103 bp

RefSeq ORF: 618 bp

Locus ID: 68777
 UniProt ID: [Q9D0Z3](#)
 Cytogenetics: 4 D1
 MW: 24 kDa

Product images:



Circular map for MR228497