

## Product datasheet for RC224658

### TMEM158 (NM\_015444) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | TMEM158 (NM_015444) Human Tagged ORF Clone                                  |
| Tag:                      | Myc-DDK   |
| Symbol:                   | TMEM158   |
| Synonyms:                 | BBP; p40BBP; RIS1   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >RC224658 representing NM_015444<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGCCCTGCTCGCCGCGCTCCTGGCCGCGCCTGCCGCTGCCGCCGTCCGCGCGGGGCCGCGG  
ACGCGCCCGCCTCCTCGGGGTGCCCTCCAATGCTTCAGTCAACGCGTCTCCGCGGACGAGCCCATCGC  
CCCGCGGCTGCTGGCCTCGGCGGCCCGGGCCCCGAGCGCCCGGGCCCGGAGGAGACGGCGCGGCA  
GCGGCGCCGTGCAACATCAGCGTGCAGCGGCAGATGCTGAGCTCGCTGCTCGTGCCTGGGGCCGCCCG  
GGGGTCCAGTGCAGCTACTGCTCTTCTCCACCAACGCGCACGCGCGCTTTCTTCGCCGCCGCTT  
CCACCGCGTCCGGCCCGCCTGCTCATCGAGCACCTGGGGCTGGCGGCGGGCGCGCAGCAGGACCTG  
CGCCTCTGCGTGGGCTGCGGCTGGGTGCGCGGTGCGCCGACTGGCCGCTCCGGCCCGCCGCCGCCCA  
GCGCCCGCCCGCCACCGCCGGGGCGCCACCGCGCTGCCAGCCTACCCCGCGGCGGAGCCGCCGGGCG  
GCTGTGGCTGCAGGGCGAGCCGCTGCAATTTCTGCTGCCTAGACTTCAGCCTGGAGGAGCTGCAGGGCGAG  
CCGGGCTGGCGGCTGAACCGTAAGCCATTGAGTCCACGCTGGTGGCCTGCTTATGACCCTGGTATCG  
TGGTGTGGAGCGTGGCCGCCCTCATCTGGCCGGTGCCATCATCGCCGGCTTCTGCCAACGGCATGGA  
ACAGCGCCGACCAACCGCAGCACCCAGCCAGCCACCCCGCCGAGTCCCGCAGGGACCAACCGCAGCC  
GCCGCCCGCCCGCTGCCCGCCCGCGCGGCCGCTCACTTCGGGGGTGGCGACCAAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RC224658 representing NM\_015444  
Red=Cloning site Green=Tags(s)

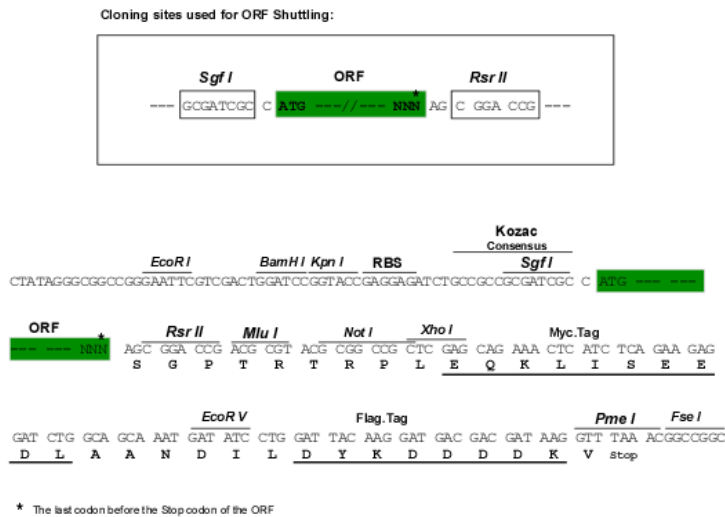
MLPLLAALLAAACPLPPVRGGAADAPGLLGVPNSASVNSSADEPIAPRLLASAAPGPPERPGPEETAAA  
 AAPCNISVQRQMLSSLLVRWGRPRGFQCDLLLFSTNAHGRAFFAAAFHRVGPPLLIEHLGLAAGGAQDL  
 RLCVCGWVYRGRRTGRLRPAAPSAATAAGAPTALPAYPAAEPPGPLWLQGEPLHFCCCLDFSLLELQGE  
 PGWRLNRKPIESTLVACFMTLVIWVWSVAALIWPVPIIAGFLPNGMEQRRTTASTTAATPAAVPAGTTAA  
 AAAAAAAAAAAAVTSGVATK

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mg4958\\_a09.zip](https://cdn.origene.com/chromatograms/mg4958_a09.zip)

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_015444

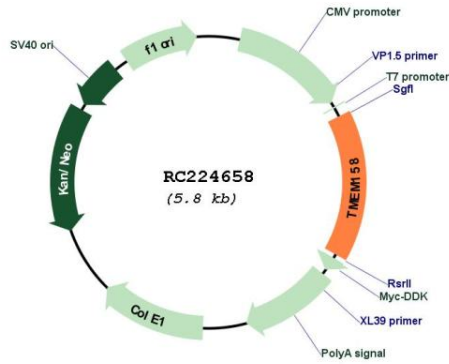
**ORF Size:** 900 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

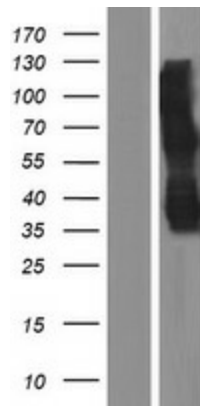
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

|                               |  |
|-------------------------------|--|
| <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>                | <u><a href="#">NM_015444.1</a></u> , <u><a href="#">NP_056259.1</a></u>  |
| <b>RefSeq Size:</b>           | 1797 bp  |
| <b>RefSeq ORF:</b>            | 903 bp   |
| <b>Locus ID:</b>              | 25907  |
| <b>UniProt ID:</b>            | <u><a href="#">Q8WZ71</a></u>  |
| <b>Cytogenetics:</b>          | 3p21.31  |
| <b>Protein Families:</b>      | Druggable Genome   |
| <b>MW:</b>                    | 30.4 kDa   |
| <b>Gene Summary:</b>          | Constitutive activation of the Ras pathway triggers an irreversible proliferation arrest reminiscent of replicative senescence. Transcription of this gene is upregulated in response to activation of the Ras pathway, but not under other conditions that induce senescence. The encoded protein is similar to a rat cell surface receptor proposed to function in a neuronal survival pathway. An allelic polymorphism in this gene results in both functional and non-functional (frameshifted) alleles; the reference genome represents the functional allele. [provided by RefSeq, Jul 2015] |

Product images:



Circular map for RC224658



Western blot validation of overexpression lysate (Cat# [LY414544]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224658 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).