

Product datasheet for **RG200652**

TMED9 (NM_017510) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMED9 (NM_017510) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMED9
Synonyms: GMP25; HSGP25L2G; p24a2; p24alpha2; p25
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200652 representing NM_017510
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTGGAGCTGGGCGTGCTGCTCGTCCGGCCCCGGCCCGGAACCGGGCTGGGTAGAGTGATGCGGA
CCCTCCTGCTGGTGTGTGGCTGGCGACGCGGGAAGCGCGCTCTACTTTCACATCGGAGAGACGGAGAA
GAAGTGCTTTATTGAGGAGATCCCGGACGAGACCATGGTCATAGGAACTACCGGACGCAGCTGTATGAC
AAGCAGCGGGAGGAGTACCAGCCGGCCACCCCGGGCTTGGCATGTTTGTGGAGGTGAAGGACCCAGAGG
ACAAGGTCATCCTGGCCCGCAGTATGGCTCCGAGGGCAGTTCACTTTCCTCCATACCCCTGGTGA
GCACCAGATCTGTCTTCACTCCAATCCACCAAGTTCTCCCTCTTTGCTGGAGGCATGCTGAGAGTTCAC
CTGGACATCCAGGTAGGTGAACATGCCAATGACTATGCAGAAATTGCTGCTAAAGACAAGTTGAGTGAGT
TGCAGCTACGAGTGCGACAGCTGGTGAACAAGTGGAGCAGATCCAGAAAGAGCAGAACTACCAGCGGTG
GCGAGAGGAGCGCTTCCGGCAGACCAGTGAAGCAGCAACCAAGCGGGTGTGTGGTGGTCCATTCTGCAG
ACCCTCATCTCGTGGCCATCGGTGTCTGGCAGATGCGGCACCTCAAGAGCTTCTTTGAAGCCAAGAAGC
TTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG200652 representing NM_017510
Red=Cloning site Green=Tags(s)

MAVELGVLLVRRPRPGTGLGRVMRTLLLVLWLATRGSALYFHIGETEKKCFIEEIPDETMVIGNYRTQLYD
 KQREEYQPATPGLGMFVEVKDPEDKVILARQYGSEGRFTFTSHTPGEHQICLHSNSTKFSLFAGGMLRVH
 LDIQVGEHANDYAEIAAKDKLSELQLRVRQLVEQVEQIQKEQNYQRWREERFRQTSESTNQRLVWSILQ
 TLILVAIGVWQMRHLKSFFEAKKLV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017510

ORF Size: 705 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_017510.6](#)

RefSeq Size: 1402 bp

RefSeq ORF: 708 bp

Locus ID: 54732

UniProt ID: [Q9BVK6](#)

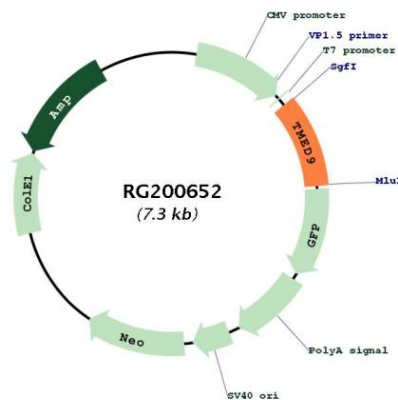
Cytogenetics: 5q35.3

Domains: EMP24_GP25L

Protein Families: Transmembrane

Gene Summary: This gene is a member of a family of genes encoding transport proteins located in the endoplasmic reticulum and the Golgi. A similar gene in mouse is the target of microRNA miR-296, which is part of an imprinted cluster. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RG200652