

Product datasheet for **RC200652**

TMED9 (NM_017510) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMED9 (NM_017510) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMED9
Synonyms:	GMP25; HSGP25L2G; p24a2; p24alpha2; p25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200652 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTGGAGCTGGGCGTGCTGCTCGTCCGGCCCCGGCCCGGAACCGGGCTGGGTAGAGTGATGCGGA
CCCTCCTGCTGGTGTGTGGCTGGCGACGCGGGAAGCGCGTCTACTTTCACATCGGAGAGACGGAGAA
GAAGTGCTTTATTGAGGAGATCCCGGACGAGACCATGGTCATAGGAACTACCGGACGCAGCTGTATGAC
AAGCAGCGGGAGGAGTACCAGCCGGCCACCCCGGGCTTGGCATGTTTGTGGAGGTGAAGGACCCAGAGG
ACAAGGCATCCTGGCCCGCAGTATGGCTCCGAGGGCAGTTCACTTTCCTCCATACCCCTGGTGA
GCACCAGATCTGTCTTCACTCCAATCCACCAAGTTCTCCCTCTTTGCTGGAGGCATGCTGAGAGTTCAC
CTGGACATCCAGGTAGGTGAACATGCCAATGACTATGCAGAAATTGCTGCTAAAGACAAGTTGAGTGAGT
TGCAGCTACGAGTGCGACAGCTGGTGAACAAGTGGAGCAGATCCAGAAAGAGCAGAACTACCAGCGGTG
GCGAGAGGAGCGCTTCCGGCAGACCAGTGAAGCACCAGCGGGTGTGTGGTGGTCCATTCTGCAG
ACCCTCATCCTCGTGGCCATCGGTGTCTGGCAGATGCGGCACCTCAAGAGCTTCTTTGAAGCCAAGAAGC
TTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC200652 protein sequence
Red=Cloning site Green=Tags(s)

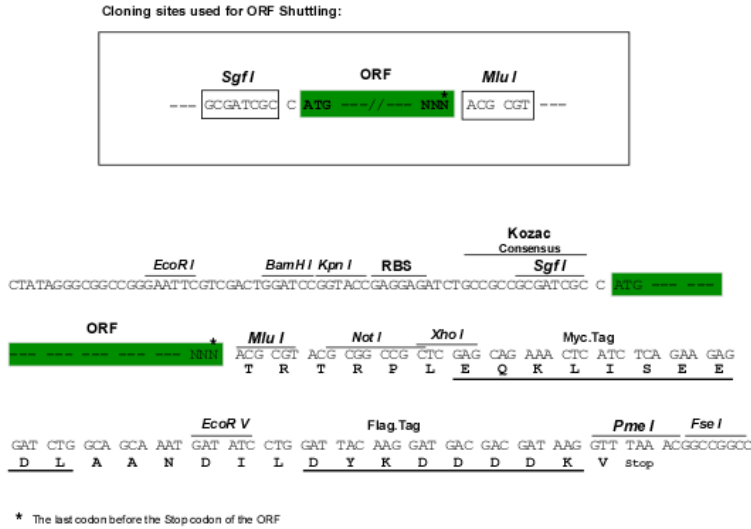
MAVELGVLLVRRPRPGTGLGRVMRTLLLVLWLATRGSALYFHIGETEKKCFIEEIPDETMVIGNYRTQLYD
 KQREEYQPATPGLGMFVEVKDPEDKVILARQYGSSEGRFTFTSHTPGEHQICLHSNSTKFSLFAGGMLRVH
 LDIQVGEHANDYAEIAAKDKLSELQLRVRQLVEQVEQIQKEQNYQRWREERFRQTSESTNQRLVWSILQ
 TLILVAIGVWQMRHLKSFFEAKKLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

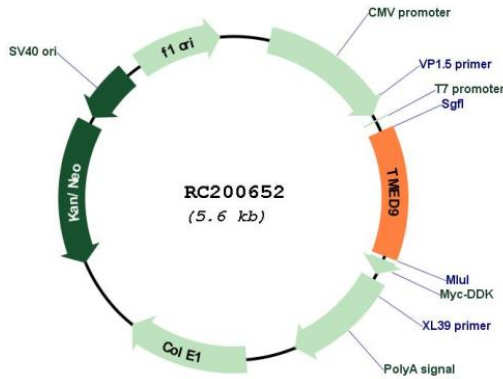
Chromatograms: https://cdn.origene.com/chromatograms/mk6053_e04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



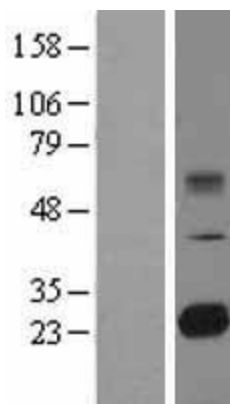
Plasmid Map:



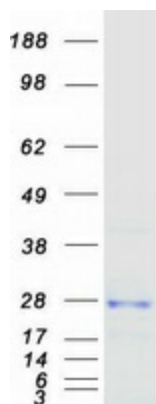
ACCN: NM_017510

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:	<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_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
MW:	27.3 kDa
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:

Western blot validation of overexpression lysate (Cat# [LY402594]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200652 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TMED9 protein (Cat# [TP300652]). The protein was produced from HEK293T cells transfected with TMED9 cDNA clone (Cat# RC200652) using MegaTran 2.0 (Cat# [TT210002]).