

Product datasheet for **RC210923**

TMED8 (NM_213601) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMED8 (NM_213601) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMED8
Synonyms:	FAM15B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210923 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGTCGACCTGCAGGCGGCTGAGGGGCGGGCTCCTGGAGCCCCACAGCCGCCAGGGTCGGCTGGCG
GCGTCGGGGACTGCCAGGGAGTGGAGGGGAGCCAGGCGGCCCTCAGAGAATGAAGATCTAGAAAAACA
GGATACCTCTTTATTGGCTTCTGCCACCGATCCAGAACCCTGCTCCTACCCACAGGCCACAGATGGTA
TCTCCAGTGAGTAAGGATGCCACGGAAGATCTGCGAAAGCAACTGGTCCTTTGGAGGCTCAGGCCCTTG
TGAACAGGATTTGCTGCCTGCAGACCAGGCCAGGTCTCAATGAGATGGCTAAGTATCAAGTTCCACA
GAGGTCTGGGGACATCGTTATGATCCAGTCTGAACATACAGGAGCTATAGATGTTCTTTCAGCTGATTTG
GAATCTGCAGATCTTCTGGGGGACCACAGGAAAGTCTCCCCACCTCTGATGGCTCCTCCATGCATCTGGA
CCTTTGCCAAGGTGAAGGAATCAAAAGCAAGCTGGGCAAGAGAAGAAGAGCCGTCTGGTGGTGAAGCG
TGGTGAGGTGGTACCATCCGGGTACCTACTCATCCAGAGGGGAAGCGTGTCTGCTGGGAGTTTGGCACC
GATGACTATGACATTGGCTTTGGAGTTTATTTTACTGGACCCCTGTAAGTAGCACTGACATAACTGTGC
AGGTCAGTGATTCCAGTGACGATGAGGATGAAGAAGAGGAAGAGGAGGAAGAGATTGAAGAACCCGTTCC
AGCTGGAGATGTGGAGAGAGGCTCCAGGAGCTCCTTGGGGGTCGCTATGGGGAGGTCATGCCTGTGTAC
CGGCGGGACAGCCACGAGAGCTGCAGGCTGGCAGCCATGACTACCTGGTGAGGGCATCTACCTGCTCA
AGTTCGACAACTCCTACTCCCTGCTGCGCAACAAGACTCTCTACTTCCACATCTACTACACCAGC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC210923 protein sequence
Red=Cloning site Green=Tags(s)

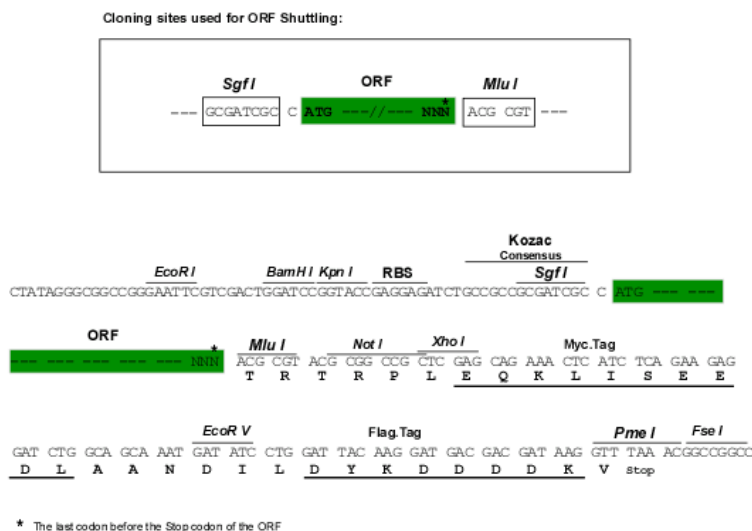
MSDLQAAEGPGSWSPTARPGSAGGVGDCQGVESQAAAENEDLENKDTSLLASATDPEPCSSPHRPQMV
SPVSKDATEDLKRATGPLEAQALVKQDLPADQAQVLNEMAKYQVPQRSQDVIQSEHTGAIDVLSADL
ESADLLGDHRKVFDPMLAPPCIIWTFAKVKEFKSKLGKEKNSRLVVKRGEVVTIRVPTHPEGKRVCEWFAT
DDYDIGFGVYDWTPTSTDITVQVSDSDEEEEEEEEEIEEPVPAGDVERGSRSSLGRYGEVMPVY
RRDSHRDVGAGSHDYPGEGIYLLKFDNSYSLRNKLTLYFHIYYTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6383_e07.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_213601

ORF Size: 975 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_213601.3](#)

RefSeq Size: 978 bp

RefSeq ORF: 978 bp

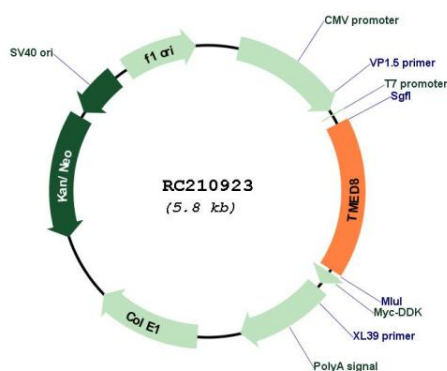
Locus ID: 283578

UniProt ID: [Q6PL24](#)

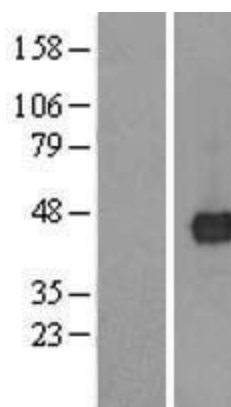
Cytogenetics: 14q24.3

MW: 35.7 kDa

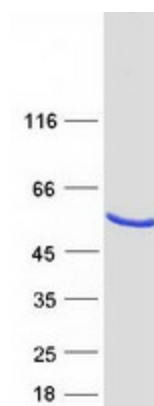
Product images:



Circular map for RC210923



Western blot validation of overexpression lysate (Cat# [LY403916]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210923 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TMED8 protein (Cat# [TP310923]). The protein was produced from HEK293T cells transfected with TMED8 cDNA clone (Cat# RC210923) using MegaTran 2.0 (Cat# [TT210002]).