

Product datasheet for **RC224356**

TMEM134 (NM_025124) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TMEM134
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC224356 representing NM_025124
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGAGCGCCGCCCGGCCAGTTCAGCATTGATGATGCCTTCGAGCTGTCCTGGAGGACGGGGGCCCTG
GGCCCCGAGTCCAGCGGGTTCGCGCGCTTTGGCCGCTGCACTTCGAGCGTCGGGCCCGGTTTCGAGGTGGC
TGACGAGGACAAGCAGTCCCGGCTGCGCTACCAGAACCTGGAGAACGATGAGGATGGAGCCAGGCCTCT
CCGGAGCCGGATGGGGGAGTCGGCACCAGGGATTCCAGCCGAACCTCCATCCGAGCTCCAGTGGTCTCT
TCAGCACCATCAGCAGCAGCACCAGCGCTCTACAACACCTGCTGCAGCTGGACCAACACCCCTTGAT
CCAGAAGAACCAGTGGTGGTCTGGCCTCCTTCTGCTGCTGCTGGGGCTGGTGGTCTGATCCTGGTC
GGCGTGGGACTGGAGGCGACCCCTCTCCAGGTGTCTCCAGCGCCATCTTCTTCGTGCCGGGCTTCCTGT
TGTTGGTGCCTGGAGTCTATCACGTGATCTTCTACTGCGCGGTCAAGGGCCACCGGGCTTCAGTT
CTTCTACCTGCCCTACTTCGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224356 representing NM_025124
Red=Cloning site Green=Tags(s)

MSAARQFSIDDAFELSLEDGGPPESSGVARFGPLHFERRARFEVADEKQSRRLRYQNLNEDDGAQAS
PEPDGVGTRDSSRTSIRSSQWSFSTISSSTQRSYNTCCSWTQHPLIQNRRVVLASFLLLLGLVLILV
GVGLEATPSPGVSSAIFVPGFLLLVPGVYHVFIFYCAVKGHRGFQFFYLPYFEK

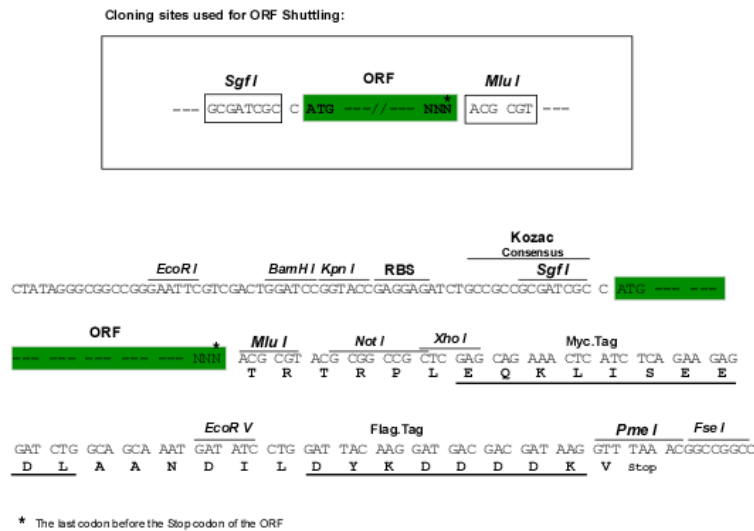
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4133_d01.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025124

ORF Size: 585 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).

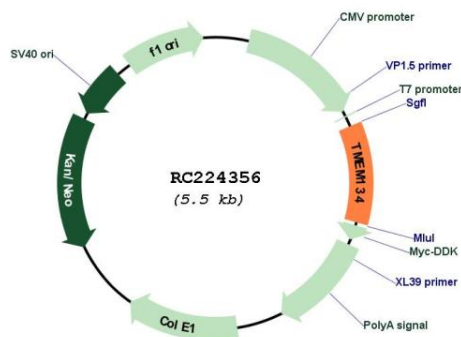
Reconstitution Method:

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.

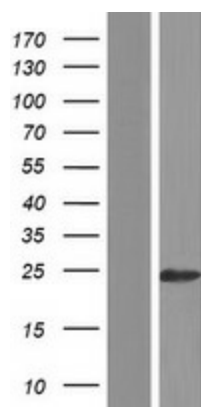
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:	NM_025124.4
RefSeq Size:	961 bp
RefSeq ORF:	588 bp
Locus ID:	80194
UniProt ID:	Q9H6X4
Cytogenetics:	11q13.2
Protein Families:	Transmembrane
MW:	21.4 kDa

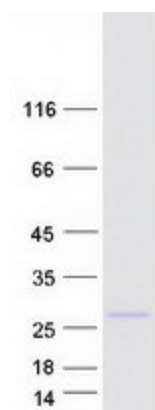
Product images:



Circular map for RC224356



Western blot validation of overexpression lysate (Cat# [LY410895]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224356 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TMEM134 protein (Cat# [TP324356]). The protein was produced from HEK293T cells transfected with TMEM134 cDNA clone (Cat# RC224356) using MegaTran 2.0 (Cat# [TT210002]).