

Product datasheet for RC225545

TMEM129 (NM_001127266) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TMEM129
Synonyms:	D4S2561E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC225545 representing NM_001127266
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACAGCCCCGAGGTGACCTTCACTCTCGCCTATCTGGTGTTCGCCGTGTGCTTCGTGTTACGCCCCA
ACGAGTTCACGCGCGGGGGCTCACGGTGACAGAACCTGCTGTGCGGGCTGGCTGGGCAGCGAGGACGCCGC
CTTCGTGCCCTTCCACTTGCGCCGCACGGCCGCCACGCTGTTGTGCCACTCGCTGCTGCCGCTCGGCTAC
TATGTGGGCATGTGCCTTGGCGCTTCAGAAAAGCGGCTCCACGCCCTCAGCCAGGCCCTGAGGCCTGGC
GGCTCTTCTGCTGCTGGCCGTGACCTCCCTCCATCGCCTGCATCCTGATCTACTACTGGTCCCGTGA
CCGGTGGGCTGCCACCACTGGCGCGCACCTGGCCCTCTACGCCCTCCACAGTCTGGCTGGCAGGCT
GTTGCCTCTCTGTCAACACTGAGTTCGGCGGATTGACAAGTTTGCCACCGGTGCACAGGTGCCCGTG
TGATTGTGACAGACAGTGGGTGATGAAGTAACCACTACCGAGTGACGTGGCCAGCAGCAGGACGT
GCACCTGACTGTGACGGAGTCTCGGCAGCATGAGCTCTCGCCAGACTCGAACTTGCCCGTGACGCTCCTC
ACCATCCGTGTGGCCAGCACCAACCTGCTGTGCAGGCCTTTGACATCTGGCTGAACTCCACTGAGTACG
GGGAGCTCTGCGAGAAGCTCCGGGCACCCATCCGAGGGCAGCCCATGTGGTCATCCACCAGAGCCTGGG
CGACCTGTTCTGGAGACATTTGCCCTCCCTGGTAGAGGTCAACCCGGCTACTCAGTGCCCGCAGCAGCCAG
GAGCTGGAGGCTGCATAGGCTGCATGCAGACAGTGCCAGCGTGAAGCTGGTGAAGACCTGCCAGGAGG
CAGCCACAGGCGAGTGCCAGCAGTGTACTGCCGCCCATGTGGTGCCTCACCTGCATGGGCAAGTGTT
CGCCAGCGGCCAGGACCCCTGCGCCCTGACACCTGGTGGCCAGCCGCGTGCCTGCCACCTGCCGC
GCACGCTTCTGCATCCTGGATGTGTGCACCGTGCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC225545 representing NM_001127266

Red=Cloning site Green=Tags(s)

MDSPEVFTFLAYLVFAVCFVFTPNEFHAAGLTVQNLLSGWLGSEDAFAVFPFHLRRTAATLLCHSLPLGY
YVGMCLAASEKRLHALSQAPEAWRLFLLLAVTLPSIACILIIYWSRDRWACHPLARTLALYALPQSGWQA
VASSVNTFRRIDKFATGAPGARVIIVDTWVMKVTTYRVHVAQQQDVHLTVTESRQHELSPDSNLPVQLL
TIRVASTNPAVQAFDIWLNSTEYGECEKLRAPIRRAAHVVIHQSLGDLFLETFAVLVEVNPAYSVPSQ
ELEACIGCMQTRASVKLVKTCQEAATGECQCYCRPMWCLTCMGKWFASRQDPLRPDWTLASRVPCPTCR
ARFCILDVCTVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

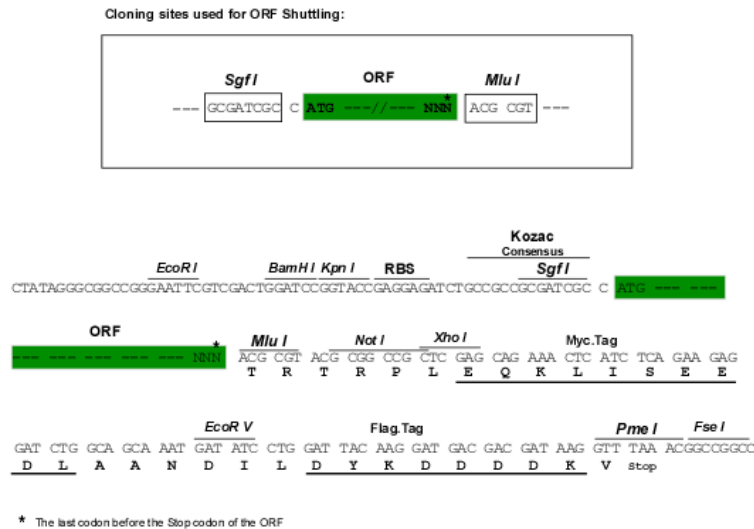
Chromatograms:

https://cdn.origene.com/chromatograms/ja1570_d04.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001127266

ORF Size:

1086 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:

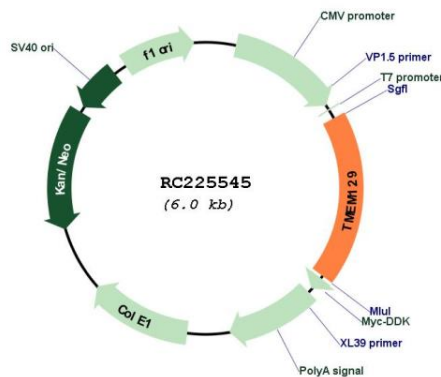
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

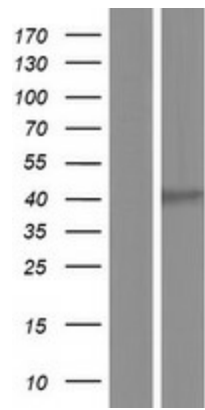
The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_001127266.2
RefSeq ORF:	1089 bp
Locus ID:	92305
UniProt ID:	A0AVI4
Cytogenetics:	4p16.3
Protein Families:	Transmembrane
MW:	40.3 kDa
Gene Summary:	E3 ubiquitin-protein ligase involved in ER-associated protein degradation, preferentially associates with the E2 enzyme UBE2J2. Exploited by viral US11 proteins to mediate HLA class I proteins degradation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225545



Western blot validation of overexpression lysate (Cat# [LY426742]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225545 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).