

Product datasheet for **RC233584**

TLCD4 (NM_001199679) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLCD4 (NM_001199679) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TLCD4
Synonyms:	TMEM56
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233584 representing NM_001199679 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGAGATCAACACAAAAGCTGCTCATCAGTGTTACCTGTATCAGCTTTTTACCTTTAGCTTCTTTTCT
 ACTTTGTAAGTTACTGGTTTTAGCAAAAGTTTCTCCAGGTTTCAATAGTCTCAGCTTCAAAAAGAAGAT
 TGAATGGAAGTCAAGGGTAGTATCCACATGCCATTCTTTGGTGGTGGTATTTTGGCCTGTACATTTTC
 TTATTCGATGAGGCTACTAAAGCTGATCCACTTTGGGGTGGTCCATCACTTGCAAACGTGAATATTGCTA
 TTGCCTCAGGCTACCTCATTTCTGATTTGTCCATTATAATTTGTATTGAAAAGTGATTGGTGACAAATT
 TTTTATAATGCATCATTGTGCGTCCCTGTATGCATACTACCTTGTACTGAAAAATGGAGTGCTGGCATA
 ATTGGGAATTTTCGCCTGCTTGCAGAGCTTTCCAGCCCGTTTGTGAATCAGCGGTGGTCTTTGAAGCTC
 TGAAGTATCCCAAGTTTCTAAAGCTATCGTTATCAATGGAATACTCATGACAGTAGTATTCTTCATCGT
 GCGGATTGCCTCAATGCTTCCTCATTATGGCTTCATGTATTCCGTGTATGGAACAGAACCTACATAAGG
 CTTGGAGTTTAAATCCAGTTATCCTGGGTCATTAGTTGTGTTGTTTGGATGTGATGAATGTCATGTGGA
 TGATCAAAATTTCAAAGGTTGCATCAAAGTCATCTCTCATCAGACAAGAGAAAGCCAAAAATAGTCT
 TCAGAATGGAAAAGTTGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC233584 representing NM_001199679

Red=Cloning site Green=Tags(s)

MEINTKLLISVTCISFFTFQLLFYFVSYWFSKAVSPGFNSLSFKKKIEWNSRVVSTCHSLVVGIFGLYIF
LFDEATKADPLWGGPSLANVNIAIASGYLISDLSIIILYWKVIGDKFFIMHHCASLYAYYLVLKNGVLAY
IGNFRLLAELSSPFVNQRWFEALKYPKFSKAIVINGILMTVVFVIVRIASMLPHYGMYSVYGTEPYIR
LGVLIOLSWVISCVVLDMNMVMMIKISKGCIVISHIROEKAKNSLONGKLD

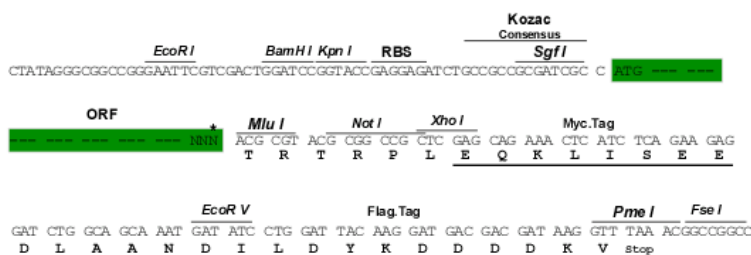
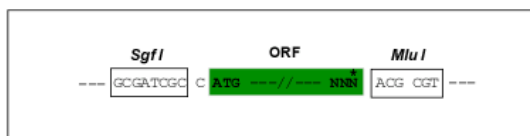
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001199679

ORF Size: 789 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_001199679.1, NP_001186608.1

RefSeq Size: 6921 bp

RefSeq ORF: 792 bp

Locus ID: 148534

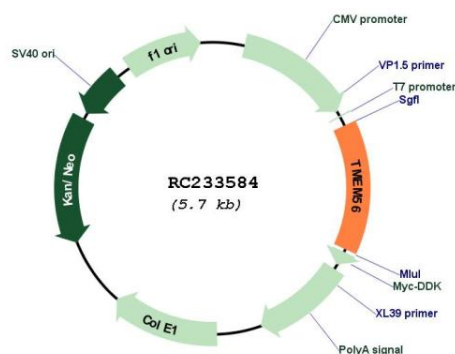
UniProt ID: Q96MV1

Cytogenetics: 1p21.3

Protein Families: Transmembrane

MW: 30.5 kDa

Product images:



Circular map for RC233584