

Product datasheet for **RC228003**

TCP11L1 (NM_001145541) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCP11L1 (NM_001145541) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TCP11L1
Synonyms:	dj85M6.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC228003 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGCTCTGAAAACCTTGACAAGTCCAATGTAATGAAGCAGGAAAAACAATCCAATGATTCTGAGGAAG
 GCCTCGAAGATGCTGTGGAAGGTGCTGATGAAGCCTTACAAAAAGCAATAAGTCAGACTCCTCCAGCCC
 CCAAAGAGTGCAGAGACCTCACTCTAGTCCTCCTCGCTTTGTGACAGTAGAAGAATTCTAGAGACAGCG
 AGAGGCGTCACCAACATGGCTCTAGCCCATGAAATTGTAGTAAATGGAGACTTTTCAGATTAAACAGTTG
 AATTACCAGAAAAAGCTTGAAGAAGAGAGTAAAGGAGATTGTACATAAAGCGTTTTGGGATTGCTTGAG
 TGTGCAGCTAAGTGAAGATCCCCAGCATATGACCATGCTATCAAACCTGTAGGAGAAATCAAAGAGACT
 CTCTTATCTTTCTTGTGCTGCTGCTACTAGACTGAGAAACCAGATAACAGAAGCTTGGATCTGGATC
 TGATAAAGCAGGAAGCAGAGAATGGGGCGCTAGACATTTCCAGGCTGGCAGAATTCATTATTGGCATGAT
 GGGGACACTGTGTGCACCTGCTCGAGATGAGGAAGTTAAGAACTAAAGGACATTAAGGAAATAGTGCCC
 CTTTTAGAGAAAATTTTTCTGTGTTGGACCTAATGAAAGTGGACATGGCCAACCTTGTCTATCAGTAGCA
 TCAGGCCCTCATCTCATGCAGCAGTCAGTTGAATACGAAAGGAAGAAGTTTCAAGAGATTTTGAGAGGGCA
 ACCAAATTCCTGGACTTTGTCACCCACTGGCTGGAAGAAGCCTCAGAGGACCTTATGACTCAGAAGTAT
 AAACACGCCCTGCCAGTGGGGGAATGGCTGCTGGCTCTGGGGACATGCCCAGGCTGAGCCCTGTTGCTG
 TCCAGAATTACGCTTACCTGAAGCTTCTGAAGTGGGACCACCTCCAGAGGCCGTTCCCGAAACAGTTTT
 AATGGACCACTCTCGCTTCCACGAGCTCCAGTTGACGTGGAACAACGACCATCCTGGGGGCTGTGTTG
 CTGGTCACCTTCAGCATGGCAGCGCCAGGAATTTCCAGCCAGGCCGACTTTGCTGAGAACTCAAGATGA
 TTGTGAAGATTTTGCTAACAGATATGCACCTGCCCTCCTCCATCTGAAGGACGCTCTCACTACCATCGG
 GGAGAAGGTGTGCTGGAGGTGAGCAGCTGCCTCTCCCTGTGTGGGTCTCTCCCTTACCACGGACAAG
 GAGACCGTGTCAAGGGCCAGATCCAGGCCGTGGCCAGTCCCGATGACCCATTGCGAGGATCATGGAAT
 CTCGAATCCTGACCTTCTAGAAACCTACCTTGCTCGGGTCATCAGAAGCCATTGCCACAGTCCCTGG
 GGGACTCAGTCCAGTTCAGAGAGAGCTGGAGGAAGTTGCTATTAATTTGCTCGCTGGTCAACTATAAC
 AAGATGGTCTTCTGTCCCTACTACGATGCAATCCTGAGTAAGATCCTCGTCCGATCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228003 protein sequence
 Red=Cloning site Green=Tags(s)

MSENLDKSNVNEAGSKSNDSEEGLEDAVEGADEALQKAIKSDSSSPQVRQPHSSPPRFVTVEELLETA
 RGVTNMALAHEIVVNGDFQIKPVELPENSLKRVKEIVHKAFFWDCLSVQLSEDPAPAYDHAIKLVGEIKET
 LLSFLLPGHTRLRNQITEVLDLILKQEAENGALDISRLAEFIIGMMGTLCAPARDEEVKKLKDIKEIVP
 LFREIFSVLDLMKVDMANFAISSIRPHLMQQSVEYERKKFQEILERQPNSLDFVTQWLEEASEDLMTQKY
 KHALPVGMAAGSGDMPRLSPVAVQNYAYLKLKWDHLQRPFPETVLMQSRFHELQLQLEQLTILGAVL
 LVTFSSMAAPGISSQADFAEKLKMIKILLTDMHLPSFHLKDVLTIGEKVCLEVSSCLSLCGSSPFTTDK
 ETVLKGQIQAVASPDPIRRIMESRILFLETYLASGHQKPLPTVPGGLSPVQRELEEVAIKFARLVNYN
 KMFVCPYYDAILSKILVRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6509_h03.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001145541

ORF Size: 1527 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_001145541.1](#), [NP_001139013.1](#)

RefSeq Size: 2633 bp

RefSeq ORF: 1530 bp

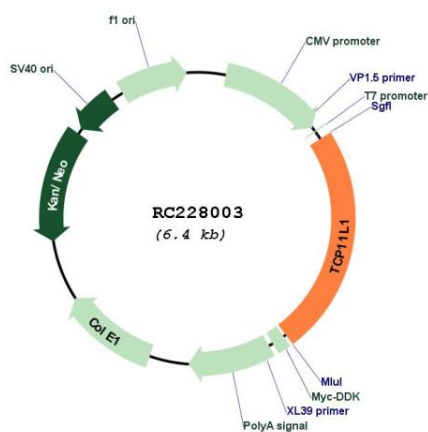
Locus ID: 55346

UniProt ID: [Q9NUJ3](#)

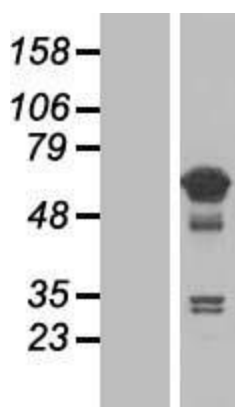
Cytogenetics: 11p13

MW: 57.1 kDa

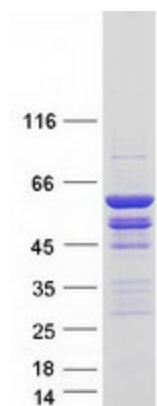
Product images:



Circular map for RC228003



Western blot validation of overexpression lysate (Cat# [LY428932]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228003 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TCP11L1 protein (Cat# [TP328003]). The protein was produced from HEK293T cells transfected with TCP11L1 cDNA clone (Cat# RC228003) using MegaTran 2.0 (Cat# [TT210002]).