

Product datasheet for **RC224280**

TCL6 (NM_014418) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TCL6
Synonyms:	OTTHUMP00000195767; T-cell leukemia/lymphoma 6; T-cell leukemia/lymphoma 6 ORF72; T-cell leukemia/lymphoma 6 ORF141; TCL1-neighboring gene 1; TCL1-neighboring gene 2; TCL6e1; TCL6f1; TCL6f2; TNG1; TNG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC224280 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCCAGAGTGACACAGAGGAAGAGGCCCTGGATGGATGCATGGGAAGATCACGGGAATTACAA
 GTGACATCCTGAAGTATGATCACAAATGTTCAAATTAAGCCTTCCTGCTAAGTTTCAGAGGTGTGTGG
 CTCGGACGAAGTGTTCAGACCCTGATCTACTGCATGTCCTGCCTGTTGCTGGTCTTTGCAGCAGTCC
 ATTGACCAATGCTGTCTACAGCTTGAGAGCCTCTGCAGGCCAGGGCTGCTGTGCACATCCTACGTTAC
 TATTCAAACCTGCACAGCAGCATGAAAAACAGGCCCTTCTTTCTCTCATTTACACATATGTGAAGAAGAC
 ACAGCAAGTGAGAAAACGTGACCGAAAGCCACGCGACAGGTGGCCGCAGGGCCAAACCACTTCCGTG
 ATG

Protein Sequence: >RC224280 protein sequence
 Red=Cloning site Green=Tags(s)

MEPRVTQRKRPLDGC MGKITGITS DILKYD HKCFKLSLPAKFPEVCGSDEVFPDPLLHVL PVAGSLQQS
 IDQCCLQLES LCRPGLLCAHPTLLFKLHSSMKNRPFSLIYTYVKKTQQVRKRDRKPRGQVAAGPNPTSV
 M

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

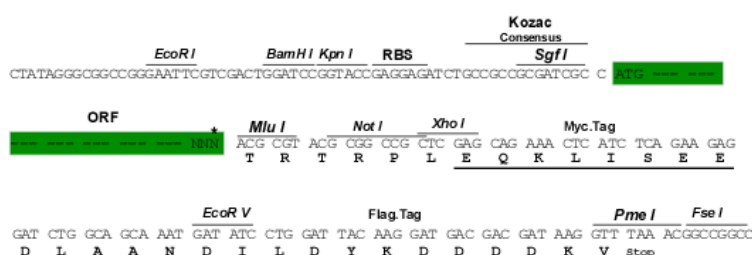
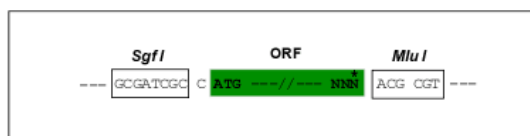


Chromatograms: https://cdn.origene.com/chromatograms/mk6552_f06.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_014418

ORF Size: 423 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_014418.3

RefSeq Size: 4232 bp

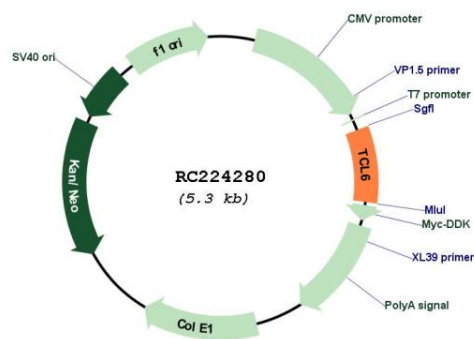
RefSeq ORF: 425 bp

Locus ID: 27004

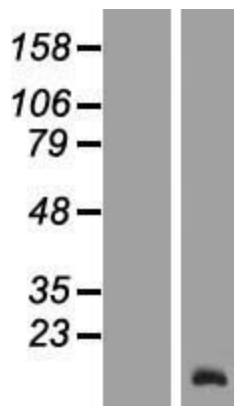
Cytogenetics: 14q32.13

MW: 15.9 kDa

Product images:



Circular map for RC224280



Western blot validation of overexpression lysate (Cat# [LY415738]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC224379] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).