

## Product datasheet for **RC200841**

### **TTLL12 (NM\_015140) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TTLL12 (NM_015140) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTLL12
Synonyms:	dj526l14.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC200841 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAGGCCGAGCGGGTCCCGAGCGCCGCTGCGGAGCGTAGCAGCCGGCCAGACGCCGAGGAGG  
GCGCGCAGGCCTTGCCGAGTTCGCGGCCGCTGCACGCCCGCGCTGCGCGCTTCGGGGTCCCCGAACG  
TACTGGGGCCGCTCCTGCACAAGCTGGAGCAGGAGTTTTCGACGCTGGGGAAGTGTGGGATCATG  
CAAGTGGAGGAGGTAGAAGAGGAGGAGGACGAGGCAGCCCGGAGGTGCGGAAGCAGCAGCCCAACCCGG  
GGAACGAGCTGTGCTACAAGTTCATCGTGACCAGGAGAGCGGGCTCCAGGCAGCCACCCCAACAGCAT  
CTTCTCATCGACCACGCTGGACGTGCCGTGTGGAGCACGCGCCAGCAGCTGCAGCAGGTGCCCGGG  
CTGCTGCACCGCATGGCCAACCTGATGGCATTGAGTTCCACGGTGAAGTGCACAGTACAGAGGCTGTGG  
CCCTGGTGTGGAGGAGATGTGGAAGTTCAACCAGACCTACCAGCTGGCCATGGGACAGCTGAGGAGAA  
GATGCCGGTGTGGTATATCATGGACGAGTTCGGTTCGCGGATCCAGCACGCGGACGTGCCAGCTTCGCC  
ACGGCACCCCTTCTTACATGCCGACGAGGTGGCCTACACGCTGCTGTGCCCTTGAGGGACCTGGACA  
CTGGCGAGGAGGTGACCCGAGACTTTGCCTACGGAGAGACGGACCCCTGATCCGGAAGTGCATGTGCT  
GCCCTGGGCCCCACCGACATGTGGACCTCAGCTTTGCACACCCGAGCCGCCCGGAGCACTACCAG  
GCCATTCTGGAGGAAAACAAGGAGAAGTGGCACTTGACATCAACCCCGTGGTGCACCCCAACGGCCACA  
TCTTCAAGGTCTACACGGACGTGCAGCAGGTGGCCAGCAGCCTCACCCACCCGCGCTTACCCTCACCCA  
GAGTGAGCGGACGCCGACATCCTCTTCAACTTCTCACACTTCAAGGACTACAGGAACTCAGCCAGGAG  
AGGCCAGGCGTGTGCTGAACCAGTCCCCTGCGAGAACCTGCTGACTGTCAAGGACTGCCTGGCCTCCA  
TCGCGCGCCGGCAGGTGGCCCCGAGGGCCACCTGGCTGCCCGAACCTTCAACTGCGCACTGAGCT  
GCCCCAGTTTGTAGCTACTTCCAGCAGCGGAAAGGTGGGGCGAGGACAACCACTGGATCTGCAAGCCC  
TGGAACTGGCGCGCAGCCTGGACACCCACGTCAACCAAGAGCCTGCACAGCATCATCCGGCACCGAGAGA  
GCACCCCAAGGTTGTGTCGAAGTACATCGAAAGTCCCCTGTTGTTCTTCGAGAAGACGTGGGAAAGGT  
CAAGTTCGACATCCGCTACATCGTGTGCTGCGGTGAGTGGGCCCCACGGTGTTCGTGTATGATGTG  
TTCTGGCTGCGGTTCTCCAACCGGGCCTTTCGACTCAACGACCTGGATGACTACGAGAAGCACTTACGG  
TCATGAATATGACCCGGATGTGGTGTGAAGCAGGTGCACTGTGAAGAGTTCATCCCCGAGTTTGAGAA  
GCAATACCCAGAATTTCCCTGGACGACGTCCAGGCTGAGATCTCCGGGCTTACGGAGCTGTTCCAG  
GTGGCCTGTGCCAAGCCACCACCTGGGCCTCTGCGACTACCCCTCATCCGGGCCATGTATGCCGTGCG  
ACCTCATGCTGAAGTGGGACAACGGCCAGATGGAAGGCGGGTATGCAGCCGAGATCCTGGAGGTGAA  
CTTCAACCCGACTGTGAGCGAGCCTGCAGGTACCACCCACCTTCTTCAACGACGTCTTCAGCACCTTG  
TTCTGGACCAGCCCGTGGCTGCCACGTTACCTGCCTTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**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.

**RefSeq:** [NM\\_015140.4](#)

**RefSeq Size:** 3421 bp

**RefSeq ORF:** 1935 bp

**Locus ID:** 23170

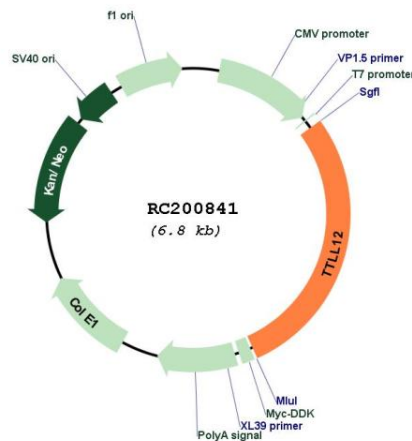
**UniProt ID:** [Q14166](#)

**Cytogenetics:** 22q13.2

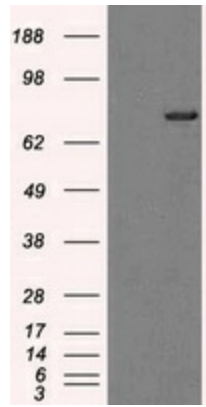
**MW:** 74.4 kDa

**Gene Summary:** Negatively regulates post-translational modifications of tubulin, including detyrosination of the C-terminus and polyglutamylation of glutamate residues (PubMed:20162578, PubMed:23251473). Also, indirectly promotes histone H4 trimethylation at 'Lys-20' (H4K20me3) (PubMed:23251473). Probably by controlling tubulin and/or histone H4 post-translational modifications, plays a role in mitosis and in maintaining chromosome number stability (PubMed:20162578, PubMed:23251473). During RNA virus-mediated infection, acts as a negative regulator of the DDX58/RIG-I pathway by preventing MAVS binding to TBK1 and IKBKE (PubMed:28011935).[UniProtKB/Swiss-Prot Function]

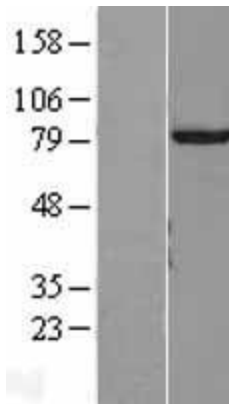
### Product images:



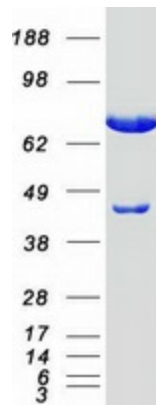
Circular map for RC200841



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TTLL12 (Cat# RC200841, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TTLL12(Cat# [TA500789]). Positive lysates [LY402417] (100ug) and [LC402417] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY402417]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200841 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TTLL12 protein (Cat# [TP300841]). The protein was produced from HEK293T cells transfected with TTLL12 cDNA clone (Cat# RC200841) using MegaTran 2.0 (Cat# [TT210002]).