

## Product datasheet for **SC122822**

### **TLL12 (NM\_015140) Human Untagged Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** TLL12 (NM\_015140) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TLL12  
**Synonyms:** dj526114.2  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_015140 edited  
CTGGAGTCGGCGCGGGTCTGGCGCCATGGAGGCCGAGCGGGTCCCGAGCGCCGGCCTG  
CGGAGCGTAGCAGCCCGGGCCAGACGCCCGGAGGAGGGCGCGCAGGCCTTGCCGAGTTCC  
CGGCGCTGCACGCGCCGCGCTGCGCGCTTCGGGGTCCCGAACGTTACTGGGGCCGCC  
TCCTGCACAAGCTGGAGCACGAGTTTTTCGACGCTGGGGAAGTGTGGGATCATGCAAG  
TGGAGGAGGTAGAAGAGGAGGAGACGAGGCAGCCGGGAGGTGCGGAAGCAGCAGCCCA  
ACCCGGGAACGAGCTGTGCTACAAGTTCATCGTGACCAGGGAGAGCGGGCTCCAGGCAG  
CCCACCCCAACAGCATCTTCTCATCGACCAGCCTGGACGTGCCGTGTGGAGCACGCGC  
GCCAGCAGCTGCAGCAGGTGCCCGGCTGCTGCACCGCATGGCCAACCTGATGGGCATTG  
AGTTCCACGGTGAGCTGCCAGTACAGAGGCTGTGGCCCTGGTGTGGAGGAGATGTGGA  
AGTTCAACCAGACCTACCAGCTGGCCCATGGGACAGCTGAGGAGAAGATGCCGGTGTGGT  
ATATCATGGACGAGTTTCGGTTCGCGGATCCAGCACGCGGACGTGCCAGCTTCGCCACGG  
CACCTTCTTCTACATGCCGAGCAGGTGGCCTACACGCTGCTGTGGCCCTGAGGGACC  
TGGACACTGGCGAGGAGGTGACCCGAGACTTTGCCTACGGAGAGACGGACCCCTGATCC  
GGAAGTGCATGCTGCTGCCCTGGGCCCCACCGACATGCTGGACCTCAGCTTTGCACAC  
CCGAGCCGCCCGGAGCACTACCAGGCCATTCTGGAGGAAAACAAGGAGAAGCTGCCAC  
TTGACATCAACCCCGTGGTGCACCCACGCGCCACATCTCAAGGTCTACACGGACGTGC  
AGCAGGTGGCCAGCAGCCTCACCCACCCGCGCTTACCCTCACCCAGAGTGAGGCGGACG  
CCGACATCCTTCAACTTCTCACTTCAAGGACTACAGGAACTCAGCCAGGAGAGGCG  
CAGGCGTGTGCTGAACAGTTCCCTGCGGAACTGCTGACTGTCAAGGACTGCTGG  
CCTCCATCGCGCGCCGGGAGGTGGCCCGAGGGCCACCTGGCTGCCCGAACCTTCA  
ACCTGCGCACTGAGCTGCCCCAGTTTGTGAGTACTTCCAGCAGCGGAAAGGTGGGGCG  
AGGACAACCACTGGATCTGCAAGCCCTGGAACCTGGCGCGCAGCCTGGACACCCACGTCA  
CCAAGAGCCTGCACAGCATATCCGGCACCGAGAGACACCCCAAGTTGTGTCCAAGT  
ACATCGAAAGTCCCGTGTGTTCTTCGAGAAGACGTGGGAAAGGTCAAGTTTCGACATCC  
GCTACATCGTGTGCTGCGGTGAGTGGCCCTACGGTGTTCGTGTATGATGTGTTCT  
GGCTGCGGTTCTCAACCGGGCCTTGGACTCAACGACCTGGATGACTACGAGAAGCACT



TCACGGTCATGAACTATGACCCGGATGTGGTGCTGAAGCAGGTGCACTGTGAAGAGTTCA  
 TCCCGAGTTTGAGAAGCAATACCCAGAATTTCCCTGGACGGACGTCCAGGCTGAGATCT  
 TCCGGGCTTACCGAGCTGTTCCAGGTGGCCTGTGCCAAGCCACCACCCTGGGCTCT  
 GCGACTACCCCTCATCCCGGCCATGTATGCCGTGCACCTCATGCTGAAGTGGGACAACG  
 GCCCAGATGGAAGCGGGTGTATGCAGCCGAGATCCTGGAGGTGAACTTCAACCCCGACT  
 GTGAGCGAGCTGCAGGTACCACCCACCTTCTCAACGACGCTTTCAGCACCTTGTTTC  
 TGGACCAGCCCGGTGGCTGCCACGTTACCTGCCTGTCTAGGCACTCGCTGTCCCAAAA  
 CCTGTGCTTGGGCGAGGATTCCAACCTCAGTTCTCTGAGCTGCTTCTGCAAAGGCCCA  
 TGTCCCTCCCAACCGGCCCTGGGCATAGCCTCAGCCCCAGGCCTCTGTCTGCCGAGC  
 CATCTCCCGGCCACACTCCGGGAGCACAGCATCCTCCTCACCTGTGGGTGAGAGC  
 AGGACAGTGATGGTGTCCCAGGGCTGAGCACCACCCACGCCCTGCCCTCACCCCTCAC  
 CACCATCTGTGCACTGATGAGTCTCCAGTTTAGCCAAGGGCTTCGTTCTGGCATGGAGA  
 ATTTGTTCTGGTGTGTGTTCCAGGGGTGCTGGGGAAGGGTTCGTTGGAGCGAGA  
 CAAGGTGTCTCGGAGCAGGGTCCACCAGGAAGCGTTGGGAGCCCTGTATCACACGG  
 GGCAGGCGGGTTCTCTCCGGGTCTCTGCTTATGCATCAGGACGACCCCGGACGG  
 CTGTGGGGCCCCACACTGCACCCACAGGGCTCTATGCGACAGGGGCCAGGAACAGCCTG  
 AGGCCACCAACAGCAAGCCCGCTTATCACCCATTCCAGCTCACCCAGAACCTTACCA  
 GCAAACCTCCTGTGAGGTCTGGCAGGAGGCCACCGTCTGTTACCGTTTCTTTTCGT  
 TTGCTGAGGGTACAGACCCCAACAGGAAATCAGTATCTGTCTTCCAGTGGTTGCCCT  
 GCTCGCCGGGCACTCCACGGGGTCCCGCCTTGTGTGAGATGGCCAGGATCCTTCGGCA  
 AGGGGCGCTGGGGTGGGGTGTGTTGGGCGGTGGAGCGCCAGACAGAAAAGGATTCC  
 AATGAGAACTTACAGTTAAAGTCAGATGCCACCTACCAGGGTCTACAGTCAAAATGTTGG  
 CTTTTCTTATTTTTTAAATGATGGGAGAAAAATGTAATAATCCAGTTCTTTTCTAATTG  
 TTTTTCTGAAATTAGGAGTCAGCTGCCAGCGTTTTTGTGTGGCTGCAGTGTGCCTGGCC  
 CAGCTCACGGGCAGTGGGTGGACCTAACTGCCAGGCAGGCGAGAGCTACTTCCAGAGCC  
 TTCCAGTGCATGGGAGGGCAGGGCTAGGTGTAGCGGTGTCTCCTTTTAAATTAAGAAC  
 TATCTTTCTGTAGCAAAGCTGCACCTGATGATGCTGCCTCTCCTCTGTGTTGTCTGG  
 GCCCTGTTTACAAGCACGCGTTACCCTTCTGAGGGGAGCCATGCTCTAGCCCCGGAG  
 GGCCTGTGACGGGCAGGGCGGGCCCGTCCGCTTTGGCAGCTCCTGGAGAGCTGTGGAC  
 ATGCAGTCCCCCTCAGTTCGTGTGCAATAAAGGCCATCTCTCTAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_015140 unedited  
 ATGTCATTTTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCTGGAGTCG  
 GCGCGGGTGTGGCGCCATGGAGGCCGAGCGGGTCCCGAGCGCCGGCCTGCGGAGCGTA  
 GCATCCCGGGCCAGACGCCGGAGGAGGGCGCGCAGGCCTTGGCCGAGTTCGCGGCGCTGC  
 ACGGCCCGGCGCTGCGCGCTTCCGGGGTCCCCGAACGTTACTGGGCGCCTCCTGCACA  
 AGCTGGAGCACGAGGTTTTCGACGCTGGGGAAGTGTGGGATCATGCAAGTGGAGGAGG  
 TAGAAGAGGAGGAGGACGAGGCAGCCCGGAGGTGCGGAAGCAGCAGCCCAACCCGGGA  
 ACGAGCTGTGCTACAAGGTCATCGTGACCAGGGAGAGCGGGCTCCAGGCAGCCACCCCA  
 ACAGCATCTTCTCATCGACCACGCTGGACGTGCCGTGTGGAGCACGCGGCCAGCAGC  
 TGCAGCATGTGCCGGGCTGCTGCACCGCATGGCCAACCTGATGGGCATTGAGTTCACG  
 GTGAGCTGCCAGTACAGAGGCTGTGGCCCTGGTGTGGAGGAGATGTGGAAGTTCAACC  
 AGACCTACCAGCTGGCCATGGGACAGCTGAGGAGAAGATGCCGGTGTGGTATATCATGG  
 ACGAGTTTCGGTTCGCGGATCCAGCACGCGGACGTGCCAGCTTCGCCACGGCACCCCTCT  
 TCTACATGCCGCATCATGTGCCCTACACGCTGCTGTGGCCCTGAGGGACCTGGACACTG  
 GCGAGGAGGTGACCCGAGACTTTGCCTACGGAGAGACCGACCCCTGATCCGGAAGTGCA  
 TGCTGGTGCCCTGGGCCCCACCGAATGCTGGACCTCAGCTCTTGCCACCCGAGCG

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_015140

**Insert Size:**

3394 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_015140.2</a></u> , <u><a href="#">NP_055955.1</a></u>
<b>RefSeq Size:</b>	3353 bp
<b>RefSeq ORF:</b>	1935 bp
<b>Locus ID:</b>	23170
<b>UniProt ID:</b>	<u><a href="#">Q14166</a></u>
<b>Cytogenetics:</b>	22q13.2
<b>Gene Summary:</b>	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 IKKBE (PubMed:28011935).[UniProtKB/Swiss-Prot Function]