

## Product datasheet for **MC224252**

### Ttll5 (NM\_001081423) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ttll5 (NM\_001081423) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ttll5  
**Synonyms:** 1700048H13Rik; 2310009M18Rik; 4930556H18Rik; AI428864; D630041K24Rik; mKIAA0998; R75373  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224252 representing NM\_001081423  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAGTTGTGATGGCCGGGACCTGGAGGAGACAGCATCGTCCTCAGAGGACGAGGACCTGGCCAACC  
AAGAGGATCACCCATGTATTATGTGGACTGGAGGCTGCAGGAGAATCCAGTTTTGGTTTTCCATGCTGA  
GGCTATTTTGACAAAGGACAACAATATTCGAGTAATTGGAGAGCGTTATCATTGTCTTATAAGATTGTG  
AGAACGGACAGTCGCCTGGTGCAGCATTCTGACAGCCCATGGATTTTCATGAAGTTCACCCGAGCAGCA  
CTGACTATAATTTGATGTGGACAGGATCCACCTAAAACCGTTCTTACTTCGAACCTCTCTGAAGCACA  
AAAGGTTAATCATTTCCCGAGGCTTATGAACAAACCGCAAGGACCGACTGTACAAAAACATCATTCCGG  
ATGCAGCACACTCATGGATTCAAAGCATTCCACATCCTCCCTCAGACCTTCTCCTGCCAGCTGAGTATG  
CAGAAATCTGTAATTCATATTCAAAGGACCGAGGACCTTGGATAGTAAAACAGTGGCCTCTTCTAGGGG  
GCGGGGCGTCTACTTGATCAACAACCCAAACAGATCTCCCTGGAAGAGAACATCTTGGTCTCCCGTTAC  
ATTAACAACCCCTGCTCATAGATGATTCAAGTTTGACGTGCGCCTCTATGTGCTCGTACTTCTATG  
ATCCCCTGTCTATCTCTATGAGGAAGGACTGGCTAGGTTTGCAACTGTGCGTTATGATCAAGGCTC  
CAAGAACATCCGCAACCAGTTCATGCACCTGACGAACACAGCGTGAACAAGAAGAGTGGAGACTATGTG  
AGTTGTGATGACCCAGAAGTGGAGATTATGGGAACAAGTGGAGCATGAGTGCCATGCTTAGTACCTGA  
AACAAGAAGGCAAGGACACAACCTGATTGATGGCCCATGTGGAAGACCTGATCATTAAAGACAATAATCTC  
TGCTGAACTAGCTATCGCCACTGCCTGTAAAACCTTTGTTCCACACCGCAGCAGTTGTTTTGAACTGTAT  
GGCTTTGATGTGCTCATAGATAACTCTGAAGCCATGGTTGTTGGAAGTGAATCTCTCTCCTTCTTTGG  
CCTGTGATGCTCCTGATCTAAAGATTAAGCCAGTATGATCTCAGACATGTTCACTGTTGTAGGATT  
TGTGTGCCAAGATCCTGCCAGCGGACATCCAACCGTCAATTTATCCAGTTTTGAGTCTTCCAGGCGG  
AACCTTTTCAGAAACCTCAGCGCACCCGTCCTCTCTGCCAGTATGCAGAAATGAAAAACCTTGTGG  
CCTCAGCCGGGAGAAGGTACCGGGGAAGTTAGGCGTTCTGTGCTTGGTCTGTCAATGGAGGAGATCAA  
AGTTCTCCGGAGGTAAGGAGGAGAATGATCGGAGAGGAGGTTTATTCGCATATTTCTACATCGGAG



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ACATGGGAAATATATGGGTCTACCTTGAACACAAAACCTCCATGAACTACATGCTGGCAACACGCCTAT  
 TCCAGGACAGAGGAAACCCAGAGGAGCTTGCTGACAGGAAGAGCAGAGTGAGCACGGAAGGAGCACC  
 AGAGCTAAAGGTGGAGAGCATGAACTCCAAGGCCAAGCTGCATGCCGCTCTCTATGAGAGGAAGCTACTG  
 TCTCTGGAGGTGCGAAAACGTAGACGACGGAGTGGCAGATTGAGGGCAATGAGGCCAAAAACCCAGTGA  
 TTGCCAACCCAGCTGAAATGAATATTAACCCAGACAGAGAGTGAAGAGGAGGAAGAAGTTGGATTAGA  
 CAATGACGATGAAGAGCAGGAAGCATCCCAGGAGGAGTCTGCAGGGTCTCTTGGAGAAAAACAAGCCAAG  
 TACACACCTTCATTGACTGTTATAGTAGAAAAATCGCCAGAGACAATGCAATGAAAGTTGCCGAGTGA  
 CTAAATAAGGTGAACCGTCTGCAAAATCGAGGCTCAGGAGCCAGAGTCTAAATCAACCTGATGCAGAT  
 TCTCCAGGACAATGGCAATCTAAGCAAAGTACAGGCCCGTTAGCATTCTCTGCCTATCTTCAGCATGTG  
 CAAATCCGCTGACAAAAGACAGTGGTGGTCAGACACTCAGTCCCAGCTGGGCTGCCAAAGAGGATGAAC  
 AGATGGAAGTGGTGGTTCGTTTTCTCAAGCGAGCGTCAAGTAACCTCCAGCACTCGCTGAGGATGGTATT  
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 GACTTTTTATACCAAAAAACAAGTCTGCCAGTGTCTTCTGGGGACTCACTCGAAAAGCTCTAAGAAC  
 AGCAGTAGTTACTCTGATAGTGGGGCAAAGGTGATCACCTGAGACCATACAAGAAGTGAATAAAGC  
 AACCCAAACAGCAACAGGCAACAGAAATCCACGCCGATAAATTATCTCGATTTACCACTTCATCAGGAAA  
 AGAGGGCAAACACTAGTGTATACCAATTGCTCTTCTTCTGCACTCTGCTGCTGTTCTTCTGCAGAGACTC  
 CCCAGCTCCCATCTGTGCTCCGTGATCACAACCTTGCCTCTCGGCAGGCCCTGGCCACCATGCTTCTC  
 TATCTCAAATCCCTCCAGCTGTCCCGAGCTGCCTCACCAGCCAGCACTGCTACTGAGCCCCGTTCTCTGA  
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 GGCAGCTACACCATTGGCCCTTTTCTCTTTCCAAAGTGCCGCACATATCTATAGCCAGAAACTGTCTC  
 GTCCCTCTCAGCAAAGGCAGCAGGGTGTGTCATCCACACAAGCATATTGAGGAATTGCCAAAACACA  
 AAAAGAGGGTGAAGATGTTTCATTAACAGGAGGTACAACCAAAGTCTGGTTACGGTGAAGTCCAGCGG  
 CTCGCGGAGAAGCAGGCAGCCAGGCAAGTATTCTCCAGCCAGTCACATCAGTCTCCTCACTCAGCAGGTGA  
 CAAACCTGAATTTGGCCAGCAGTGTATAAACAGAAAGCAGTGCATCCACCCCTTACCCTTCGGCCTGT  
 CATCAGTCTAGTGGCCAAAGTGGTCTATACAGCCAGACCTCCACGCTTCTGAGACCCACTCCAGCCCC  
 CCTGGAAGCAGGAGCCTCCAGACAGGTGGCTTTGCCTGGGAGGGCGAGGTAGAGAACAACGCATACAGCA  
 AGACTACAGGGGTGGTCCCCAGCACAAGTACCACCCACAGCAGGCAGTACCAGCTCCACTTTGCTCT  
 CCAGCAACTCGAGCAACAAAACCTCAGTCCCGCAACTTCTGGACCAGAGTCGAGCCCGCACCAGGCA  
 ATCTTTGGCAGCCAGACTACCTAACTCCAGTTTATGGACAATGAATAATGGTCCAGGTCGCAATTT  
 CAAGTGCCCAACTGGTGGCCAGAAGCCAAACCCCTGCCACAAAAGTAGTGGCACCTCCAATTCATC  
 CACCTTGGTCTCAAGCCTGCATCCAATACAAGCAAGTGTCTCAGAAAAGCCGGCATCCCAGAGGGCTTCC  
 AAAGGGTCTCTGCAGAAGGGCAGCTGAACGGTCTCCAGAGCAGCCTTAAACCCTGCAGCCTTCATGCCCA  
 TCACCAACTCCACAGGATCTTTGGAAGTCCCCAAGTTATTTTCGAAGATCCAACCTTACCCACACA  
 GTCTGGAGCCCTGTACAGTTATAGGACAGAGAAAATCAAAGTCCGGTGAAGTCAAGGACAATTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001081423

**Insert Size:**

3987 bp

**OTI Disclaimer:**

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).

**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.

**RefSeq:** [NM\\_001081423.2](#), [NP\\_001074892.2](#)

**RefSeq Size:** 4858 bp

**RefSeq ORF:** 3987 bp

**Locus ID:** 320244

**UniProt ID:** [Q8CHB8](#)

**Cytogenetics:** 12 D2

**Gene Summary:** Polyglutamylase which preferentially modifies alpha-tubulin. Involved in the side-chain initiation step of the polyglutamylation reaction rather than in the elongation step. Required for CCSAP localization to both spindle and cilia microtubules. Increases the effects of NCOA2 in glucocorticoid receptor-mediated repression and induction and in androgen receptor-mediated induction.[UniProtKB/Swiss-Prot Function]