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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC224252 representing NM_001081423
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCAGTTGTGATGGCCCGGGACCTGGAGGAGACAGCATCGTCCTCAGAGGACGAGGACCTGGCCAACC
AAGAGGATCACCCATGTATTATGTGGACTGGAGGCTGCAGGAGAATTCCAGTTTTGGTTTTCCATGCTGA
GGCTATTTTGACAAAGGACAACAATATTCGAGTAATTGGAGAGCGTTATCATTTGTCTTATAAGATTGTG
AGAACGGACAGTCGCCTGGTGCGAAGCATTCTGACAGCCCATGGATTTCATGAAGTTCACCCGAGCAGCA
CTGACTATAATTTGATGTGGACAGGATCCCACCTAAAACCGTTCTTACTTCGAACCCTCTCTGAAGCACA
AAAGGTTAATCATTTCCCCAGGTCTTATGAACTAACCCGCAAGGACCGACTGTACAAAAACATCATTCGG
ATGCAGCACACTCATGGATTCAAAGCATTCCACATCCTCCCTCAGACCTTTCTCCTGCCAGCTGAGTATG
CAGAATTCTGTAATTCATATTCAAAGGACCGAGGACCTTGGATAGTAAAACCAGTGGCCTCTTCTAGGGG
GCGGGGCGTCTACTTGATCAACAACCCAAACCAGATCTCCCTGGAAGAGAACATCTTGGTCTCCCGTTAC
ATTAACAACCCCCTGCTCATAGATGATTTCAAGTTTGACGTGCGCCTCTATGTGCTCGTGACTTCCTATG
ATCCCCTTGTCATCTATCTCTATGAGGAAGGACTGGCTAGGTTTGCAACTGTGCGTTATGATCAAGGCTC
CAAGAACATCCGCAACCAGTTCATGCACCTGACGAACTACAGCGTGAACAAGAAGAGTGGAGACTATGTG
AGTTGTGATGACCCAGAAGTGGAGGATTATGGGAACAAGTGGAGCATGAGTGCCATGCTTAGGTACCTGA
AACAAGAAGGCAAGGACACAACTGCATTGATGGCCCATGTGGAAGACCTGATCATTAAGACAATAATCTC
TGCTGAACTAGCTATCGCCACTGCCTGTAAAACCTTTGTTCCACACCGCAGCAGTTGTTTTGAACTGTAT
GGCTTTGATGTGCTCATAGATAATACTCTGAAGCCATGGTTGTTGGAAGTGAATCTCTCTCCTTCTTTGG
CCTGTGATGCTCCTCTGGATCTAAAGATTAAAGCCAGTATGATCTCAGACATGTTCACTGTTGTAGGATT
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AACCCTTTTCAGAAACCTCAGCGCACCCGTCCACTCTCTGCCAGTGATGCAGAAATGAAAAACCTTGTGG
CCTCAGCCCGGGAGAAGGTACCGGGGAAGTTAGGCGGTTCTGTGCTTGGTCTGTCAATGGAGGAGATCAA
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AGTTCTCCGGAGGGTAAAGGAGGAGAATGATCGGAGAGGAGGGTTTATTCGCATATTTCCTACATCGGAG
ACATGGGAAATATATGGGTCCTACCTTGAACACAAAACCTCCATGAACTACATGCTGGCAACACGCCTAT
TCCAGGACAGAGGAAACCCCAGAAGGAGCTTGCTGACAGGAAGAGCACGAGTGAGCACGGAAGGAGCACC
AGAGCTAAAGGTGGAGAGCATGAACTCCAAGGCCAAGCTGCATGCCGCTCTCTATGAGAGGAAGCTACTG
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CAATGACGATGAAGAGCAGGAAGCATCCCAGGAGGAGTCTGCAGGGTCTCTTGGAGAAAATCAAGCCAAG
TACACACCTTCATTGACTGTTATAGTAGAAAATTCGCCCAGAGACAATGCAATGAAAGTTGCCGAGTGGA
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TCTCCAGGACAATGGCAATCTAAGCAAAGTACAGGCCCGGTTAGCATTCTCTGCCTATCTTCAGCATGTG
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AGCAGTAGTTACTCTGATAGTGGGGCAAAAGGTGATCACCCTGAGACCATACAAGAAGTGAAAATAAAGC
AACCCAAACAGCAACAGGCAACAGAAATCCACGCCGATAAATTATCTCGATTTACCACTTCATCAGGAAA
AGAGGCGAAACTAGTGTATACCAATTGCTCTTCTTTCTGCAGTCCTGCTGCTGTTCTTCTGCAGAGACTC
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TATCTCAAATCCCTCCAGCTGTCCCCAGCCTGCCTCACCAGCCAGCACTGCTACTGAGCCCCGTTCCTGA
CAATGCCCCTCCCTCCATACACTCTGGAACCCAGAATGTAAGCCCTGCGGGGCTGCCACGCTGTCGATCC
GGCAGCTACACCATTGGCCCCTTTTCCTCTTTCCAAAGTGCCGCACATATCTATAGCCAGAAACTGTCTC
GTCCCTCCTCAGCAAAGGCAGCAGGGTCATGTCATCCACACAAGCATCATTCAGGAATTGCCAAAACACA
AAAAGAGGGTGAAGATGTTTCATTAAACAGGAGGTACAACCAAAGTCTGGTTACGGCTGAACTCCAGCGG
CTCGCGGAGAAGCAGGCAGCCAGGCAGTATTCTCCAGCCAGTCACATCAGTCTCCTCACTCAGCAGGTGA
CAAACCTGAATTTGGCCAGCAGTGTCATAAACAGAAGCAGTGCATCCACCCCCCCTACCCTTCGGCCTGT
CATCAGTCCTAGTGGCCCAACGTGGTCTATACAGCCAGACCTCCACGCTTCTGAGACCCACTCCAGCCCC
CCTGGAAGCAGGAGCCTCCAGACAGGTGGCTTTGCCTGGGAGGGCGAGGTAGAGAACAACGCATACAGCA
AGACTACAGGGGTGGTCCCCCAGCACAAGTACCACCCCACAGCAGGCAGCTACCAGCTCCACTTTGCTCT
CCAGCAACTCGAGCAACAAAAACTTCAGTCCCGGCAACTTCTGGACCAGAGTCGAGCCCGGCACCAGGCA
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CAAGTGCCACAACTGGTGGCCAGAAGCCAAACACCCTGCCACAAAAAGTAGTGGCACCTCCAAATTCATC
CACCTTGGTCTCCAAGCCTGCATCCAATCACAAGCAAGTGCTCAGAAAGCCGGCATCCCAGAGGGCTTCC
AAAGGGTCCTCTGCAGAAGGGCAGCTGAACGGTCTCCAGAGCAGCCTTAACCCTGCAGCCTTCATGCCCA
TCACCAACTCCACAGGATCTTTGGAAGCTCCCCAAGTTATTTTCGCAAGATCCAAACCCTTACCCACACA
GTCTGGAGCCCTTGCTACAGTTATAGGACAGAGAAAATCAAAGTCGGTGAAGTCAGGGACAATTTAA

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).

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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]

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