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Product datasheet for MC202071

Ttll12 (NM_183017) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttll12 (NM_183017) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ttll12
Synonyms:	BC055368; D430005B17
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC055368 sequence for NM_183017
AAGAGGTAATCCATGGAGATCCAGTCCGGGCCGCAGCCTGGCAGTCCCGGCCGCGCCGAGAGGCTGAACG
CGCGGCTGCTGGACGAGTTCGTGTCGCTGCACGGCCCTACGCTGCGCGCCTCGGGAGTCCCAGAGCGACT
ATGGGGCCGCCTTCTGCACAAGCTGGAGCACGAGGTTTTCGATGCCGGGGAGATGTTTGGGATAAAGCAG
GTGGAGGAGGTGGAGGAGGCTGAGGACGAGGCCGCCAGGGAGGCTCAGAGGAAGCAGCCCAACCCTGGGG
GCGAGCTGTGCTACAAGGTCATTGTGACCAGTGAGAGCGGCGTCCGGGCTGACGACCCCAACAGCATCTT
CCTCATCGACCATGCCTGGACGTGCCGTGTGGAGCATGCACGCAAACAGCTGCAGCAGGTACCTGGACTC
CTGCACCGGATGGCCAACCTCATGGGCATCGAGTTCCATGGGGAAGTGCCCAGCCCAGAGGTTGTGGCCC
TAGTGCTGGAGGAGATGTGGAAATTCAACCAGACCTATCAGCTGGCCCATGGGACAGCCGAAGAGAAGGT
GCCAGTGTGGTACATCATGGACGAGTTTGGCTCGAGGATCCAGCACTCAGACATGCCCAGCTTCGCCACT
GCTCCCTTCTTCTACATGCCCCAGCAGGTGGCATACACGCTGCTGTGGCCCCTAAGGGACCTAGACACAG
GCGAGGAGGTGACCCGGGACTTTGCCTACGGAGAGGCAGACCCTCTGATCCGGAAATGCATGCTGCTGCC
CTGGGCCCCCGCCGACATGCTGGACCTCAGCTTCTCTACGCCTGAGCCTCCTGCCAAGTACTACCAGGCC
ATTTTGGAGGAGAACAAGGAGAAACTGCCGCTCGCCATTAGCCCAGTGGCACGTCCCCAGGGCCACGTCT
TCAGAGTCCACTGCGACGTGCAGCAGGTGCTCGGCCACCTTACCCACCCTCGCTTCACCTTCACTGATAG
CGAGGCTGATGCCGACATCTTCTTCCACTTCTCACACTTCAAGGACTACATGAAACTCAGCCAAGAGAGC
CCACAGGTGCTACTCAACCAGTTCCCCTGTGAGAATCTGCTGACTGTTAAGGACTGTCTGGCCTCCATCG
CTCGCCGGGCTGGGGGTCCTGAGGGTCCCCCCTGGCTACCCCGAACCTTCAACCTGCGCACTGAGCTGCC
CCAGTTTGTCAGCTATTTCCAGCACCGGGAGAGGCGGGGTGAAGACAACCACTGGATCTGCAAGCCCTGG
AACCTGGCCCGCAGCCTGGACACTCACGTCACCAACAACCTCCACAGTATCATTCGGCACCGAGAGAGCA
CCCCCAAGGTTGTGTCCAAGTACATCGAAAGTCCCGTCTTGTTCCTCCGAGAAGATGTGGGGAACGTCAA
GTTTGACATCCGCTACATTGTGCTGCTGCGCTCAGTGAGGCCGCTGAGGTTGTTTGCTTACGATGTGTTT
TGGCTACGCTTCTCCAATCGGCCCTTCGCCCTCGATGACCTAGACGACTATGAGAAGCATTTCACCGTCA
TGAACTATGACCCGGATGTGGTGCTGAAGCAGGTGCACTATAATGAGTTCATCCCTCAGTTTGAGAAGCA
GTACCCAGAGTTTCCCTGGAGTGATGTTCAGGCTGAGATCTTCAAGGCCTTCACGGAGCTGTTCCAAGTG
GCATGTGCCAAGCCACCGCCCATGGGCCTCTGTGACTACCCCTCATCCCGGGCCATGTATGCCATTGATC
TCATGCTCAACTGGGACAACCACCCAGATGGAAAGCGGGTGATGCAGCCCCAAATCCTGGAGGTGAACTT
CAACCCCGACTGCGAGCGAGCCTGCAGATACCACCCCTCATTCTTCAATGATGTCTTCAGCACTTTGTTT
CTGGACGAGACTGACAACTGCCATGTCACCCGCATCATCTAGGTGCCCAGAGTTCTGCCTGTTCTCATAG
CCAGTTCCAGCCGGTTCCAGCCGGTCCAGCCTCTGCTCACAGAACTGCCTTTGCAGTCCCAGGCTTCTCC
CTCCCTCCCTCTCTCCCCTCCTTCCTTCCTCAGCCAGAGCCTTGGCCTAAGTTATACTCAACCCTCCTGA
GCCGTGTTCCTGCTCCATATGTGGGATATCAGGTCCATGTGTGGCAGAGCTGGACAGTGAGTGGTGTCCC
AAGGACTGGGCTCCGACCAGCTGTACCTGGTCTCTGTACCTCTTAACGCCCTCTCTTCTCTGAAGAGTCT
GCAGCTCAGCTAAGGGCTTTTCTCCTGGCATCCAGAAAGTTCGCAGACCAAGAAATGTTCTGCAGAAACA
GGGTTCGACGAGGGAAGTGTTTGGGAACCCGGTATCCACAAGGGCCAGGGAGTACTCTCAGAATCTCTGC
CCTCCTGTCCCATGGCTGCTGCAAGCAGGGTACGGGAACCCTGTGTTGCACCCACAGGCCCCAGAACAGC
CAAGGGGAAACATTTGCCAACCCGGCCTTATGCCTCGGCATCCTCCGCCAGAGCCTTCACCAGCAGACTT
CTCAGCCATGCCTACCCTGGGTGTTTCCCTTCTGGGAAGCTGGGCTATGCAGAGTCCCATGGTCTCTGCA
TGTTGGTACCTCACCAAGTCCCACTGTGCTCTTGTGGTAGACAGGGTGCTAGGTTGCTCTAGGGCTGTGA
CATTTCATGGCAGAATCCAAGCAGGAGTGGCTGTGGAAATGCCAGAGCGGCTAAGATGGCTCTGGAGAGA
ACTTCATGTGGGAATCAGGCTGCCTCTTGCCAAAGTTCAGAGTCCTAGTGTTAAGGTTTTGGGTTTGGTT
TTCCTTCAACCTGCAGGAAAGACAGTGTTACGTGGAGTTCCTAATTTTGTTGCTGGAATTTGAAGTCAGC
CACCATTGCTTCTGTAACTGCTGGGCGCTGGGATCCTGCCCCCAGGAAGTTAAGAGTGGGCAGGAGCTCC
TTCCAGATGTCCTACTGTTCGGGTGGGACACTGTGGTGGCTGTTGTACTTGTGAAGGTAAAAGTGACCTT
CTCTTAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_183017

Insert Size: 1920 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:	BC055368, AAH55368
RefSeq Size:	3055 bp
RefSeq ORF:	1920 bp
Locus ID:	223723
UniProt ID:	Q3UDE2
Cytogenetics:	15 E1
Gene Summary:	Negatively regulates post-translational modifications of tubulin, including detyrosination of the C-terminus and polyglutamylation of glutamate residues. Also, indirectly promotes histone H4 trimethylation at 'Lys-20' (H4K20me3). Probably by controlling tubulin and/or histone H4 post-translational modifications, plays a role in mitosis and in maintaining chromosome number stability. During RNA virus-mediated infection, acts as a negative regulator of the DDX58/RIG-I pathway by preventing MAVS binding to TBK1 and IKBKE. [UniProtKB/Swiss-Prot Function]