

Product datasheet for **MR217904**

Ttll9 (NM_001083618) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttll9 (NM_001083618) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttll9
Synonyms:	1700016F23Rik; 4930509O20Rik; AW046572
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217904 representing NM_001083618
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGCGACAGAAGAATCAAATTC AAGGGCCATGGAGTGTGCGAAAGAAAAGAGAGAGCAGAGAA
 CCTAATCCGCTTCAAGACCACCTCATGAACACACTCATGGATGTTCTGCGCCACAGGCCCGGATGGGT
 GGAAGTCAAAGATGAAGGCGAATGGGATTTCTATTGGTGTGATGTCAGCTGGCTGCGGGAGAACTTTGAC
 CACACCTACATGGATGAGCACGTGCGCATAAGCCACTTCCGGAACCACTACGAGCTTACCAGAAAACT
 ACATGGTAAAGAACCTGAAGCGCTTCCGGAAGTACCTGGAGCGTGAGTCAGGAAAGACGGAGGCAGCCAA
 GTGTGACTTCTCCCAAACCTTTGAGATGCCCTGTGAGTACCATCTGTTTGTGGAGGAGTTTCGCAAG
 AACCCCGGATCACCTGGATCATGAAGCCTGTCGCCGATCTCAGGGGAAGGGCATATTTCTCTCCGGA
 GACTGAAAGACATCATGGACTGGAGGAAGGGCACTTCGGGAAGAAACCCACCGTGTGGAGACGCAGCC
 TGCTCGAGCCAACATGAACCCCTCAGGCAGCCATGACACAAGGAGTTCTGATGACCAGAAAGATGACCTC
 CCGGTGGAGAACTACGTGGCTCAGCGTTACGTGGAACCCCTACTTAATAGGAGCCGCAAGTTTGACC
 TGCGCGTCTACGTGCTGGTGTGTCGTACATCCCTCTGCGGGCATGGCTGTACCGTGTGGCTTTGCCAG
 GTTCTCCAACACCCGATTCACACTGAATAGCATCGATGACCACTATGTTACCTACCAATGTTGCTGTG
 CAGAAGACATCGCTGACTACCACCTAAAAAGGGTTGCAAGTGGATGCTTCAGCGCTTCAGGCAGTACC
 TGGCTTCAAAGCATGGTCTAAGGCCGTGGAGACACTCTTCAGTGACATGGACAATATCTTCATCAAGAG
 CCTGCAGAGCGTGCAGAAGGTGATCATCAGTGATAAGCACTGCTTTGAGCTCTATGGCTATGACATCCTC
 ATTGACCAGGACCTCAAGCCGTGGCTCCTAGAAGTCAATGCCTCTCCTCCCTGACGGCCAGCAGCCAGG
 AGGACTATGAACCAAGACCTGTCTGCTGGAGGATACCTGCAGCTGGTGGACATGGAGCCAGGCTCAC
 AGGAAAGGAGAAGAGAGTCGGGGCTTCGATCTCATGTGGAATGATGGCCCTGTACGCCGAGAGGATGGG
 CCTTCTGACCTATCAGGGATGGGAACCTTTGTGACCAACACTCACCTAGGCTGCGTCAATGACCGGAAGG
 AGCAGCTCAGGCAGCTGTTCCGATCCCTTCAAGCGCAGAGGAAAGCCCTAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217904 representing NM_001083618
 Red=Cloning site Green=Tags(s)

MSRQKNQNSKGGHGVSKGKEREQRTLIRFKTTLMNTLMDVLRHRPGWVEVKDEGEWDFYWCVDVSWLRENFD
 HTYMDEHVRI SHFRNHYEL TRKNYMKNLKRFRKYLERESGKTEAAKCDFFPKTFEMPCEYHLFVEEFRK
 NPGITWIMKPVARSQKGIFLFRRLKDIMDWRKGTSGKKPTGVETQPARANMNPSSGSHDTRSSDDQKDDL
 PVENYVAQRYVENPYLIGGRKFDLRVYVLMYSIPLRAWLYRDGFARFSNTRFTLNSIDDHYVHL TNVAV
 QKTSPDYHLKKGCKWMLQRFRQYLASKHGPKAVETLFSMDNIFIKSLQSVQKVIISDKHCFELYGYDIL
 IDQDLKPWLLEVNASPSLTASSQEDYELKTCLEDTLHVVDMEARLTGKEKRVGGFDLMWNDGPVSREDD
 PSDLSGMGNFVTNTHLGCVNDRKEQLRQLFRSLQAQRKAPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001083618

ORF Size: 1383 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001083618.1](#), [NP_001077087.1](#)
RefSeq Size: 2939 bp

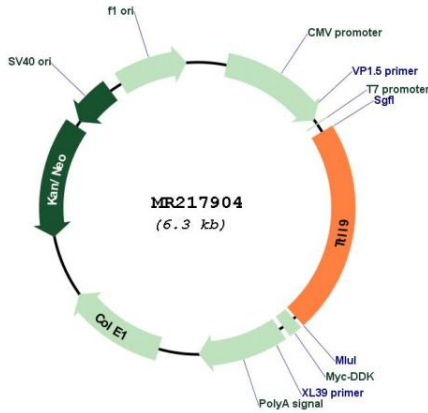
RefSeq ORF: 1386 bp

Locus ID: 74711

UniProt ID: [A2APC3](#)

Cytogenetics: 2 H1
MW: 54.6 kDa
Gene Summary: Probable tubulin polyglutamylase that forms polyglutamate side chains on tubulin. Probably acts when complexed with other proteins (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217904