

Product datasheet for **MR218883**

Ttll9 (NM_029064) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttll9 (NM_029064) 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:

>MR218883 representing NM_029064
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGTCGCGACAGAAGAATCAAAATTC AAGGGCCATGGAGTGTGCGAAAGAAAAGAGAGAGCAGAGAA
 CCTAATCCGCTTCAAGACCACCTCATGAACACACTCATGGATGTTCTGCGCCACAGGCCCGGATGGGT
 GGAAGTCAAAGATGAAGGCGAATGGGATTTCTATTGGTGTGATGTCAGCTGGCTGCGGGAGAACCTTGAC
 CACACCTACATGGATGAGCACGTGCGCATAAGCCACTTCCGGAACCACTACGAGCTTACCAGGAAAACT
 ACATGGTAAAGAACCTGAAGCGCTTCCGGAAGTACCTGGAGCGTGAGTCAGGAAAGACGGAGGCAGCCAA
 GTGTGACTTCTCCCAAACCTTTGAGATGCCCTGTGAGTACCATCTGTTTGTGGAGGAGTTTCGCAAG
 AACCCCGGATCACCTGGATCATGAAGCCTGTCGCCGATCTCAGGGGAAGGGCATATTTCTCTCCGGA
 GACTGAAAGACATCATGGACTGGAGGAAGGGCACTTCGGGAAGAAACCCACCGTGTGGAGACGCAGCC
 TGCTCGAGCCAACATGAACCCCTCAGGCAGCCATGACACAAGGAGTTCTGATGACCAGAAAGATGACCTC
 CCGGTGGAGAACCTACGTGGCTCAGCGTTACGTGGAACCCCTACTTAATAGGAGGCCGCAAGTTTGACC
 TGC CGCTACGTGCTGGTGTGTCGTACATCCCTCTGCGGGCATGGCTGTACCGTGTGGCTTTGCCAG
 GTTCTCCAACACCCGATTCACACTGAATAGCATCGATGACCACTATGTTACCTACCAATGTTGCTGTG
 CAGAAGACATCGCTGACTACCACCTAAAAAGGGTTGCAAGTGGATGCTTCAGCGCTTCAGGCAGTACC
 TGGCTTCCAAGCATGGTCTAAGGCCGTGGAGACACTCTTCAGTGACATGGACAATATCTTCATCAAGAG
 CCTGCAGAGCGTGCAGAAGGTGATCATCAGTGATAAGCACTGCTTTGAGCTCTATGGCTATGACATCCTC
 ATTGACCAGGACCTCAAGCCGTGGCTCCTAGAAGTCAATGCCTCTCCTCCCTGACGGCCAGCAGCCAGG
 AGGACTATGAACCAAGACCTGTCTGCTGGAGGATACCTGCAGCTGGTGGACATGGAGCCAGGCTCAC
 AGGAAAGGAGAAGAGAGTCGGGGCTTCGATCTCATGTGGAATGATGGCCCTGTACGCCGAGAGGATGGG
 CCTTCTGACCTATCAGGGATGGGAACTTTGTGACCAACACTCACCTAGGTACGTTGAGCCAGACAGGAA
 GTGAGTGGGAGAGAAACATCATAGGAAGTGGAGGGGGCTGGGGCCGCTTGCAGAGCAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218883 representing NM_029064
 Red=Cloning site Green=Tags(s)

MSRQKNQNSKGGHGVSKGKEREQRTLIRFKTTLMNTLMDVLRHRPGWVEVKDEGEWDFYWCDSWLRNF
 HTYMDEHVRI SHFRNHYELTRKNYMKNLKRFRKYLERESGKTEAAKCDFFPKTFEMPCEYHLFVEEFRK
 NPGITWIMKPVARSQKGIFLFRRLKDIMDWRKGTSGKKPTGVETQPARANMNPSSGSHDTRSSDDQKDDL
 PVENYVAQRYVENPYLIGGRKFDLRVYVLMYSIPLRAWLYRDGFARF SNRFTLNSIDDHYVHL TNVAV
 QKTSPDYHLKKGCKWMLQRFRQYLASKHGPKAVETLFSMDNIFIKSLQSVQKVIISDKHCFELYGYDIL
 IDQDLKPWLLEVNASPSLTASSQEDYELKTCLEDTLHVVDMEARLTGKEKRVGGFDLMWNDGPVSREDD
 PSDLSGMGNFVTNTHLGTLSQTGSEWERNIIGSGGGLGPLGRAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9061_f09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_029064

ORF Size: 1392 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_029064.2](#), [NP_083340.2](#)
RefSeq Size: 1547 bp

RefSeq ORF: 1395 bp

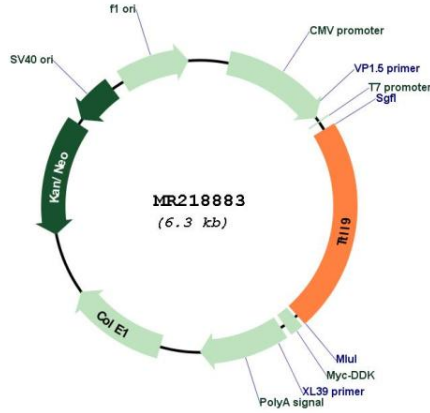
Locus ID: 74711

UniProt ID: [A2APC3](#)
Cytogenetics: 2 H1

MW: 53.9 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 MR218883