

Product datasheet for **RR213184**

Ttl (NM_138536) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttl (NM_138536) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR213184 representing NM_138536 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACACCTTCGTGGTGCGCCAGGAGAATAGCAGCGTCTACGCCGAGGTCTCCCGGCTGCTGCTGGCCA
CCGGCTACTGGAAGAGGCTGCGGCGGGACAACCCAGGTTCAACCTGATGCTGGGCGGAAGGAACCGACT
GCCTTTCCGGGAGACTAGGACACGAACCTGGGCTGGCACAGCTGGTGAACCTACTACAGGGGGCCGACAAA
CTGTGCCGCAAAGCTTCCTTAGTGAAGCTAGTCAAGACCAGTCCGGAAGTGTCTGAGTCTGCTCATGGT
TCCCCGAGTCCTATGTGATTCATCCAATAACCTCAAGACGCCAGTCGCTCCAGCGCAGAATGGCATCCA
GCTTCCGGTCAGTAACCTCAGGACAGATGAGAGAGAATTCCTTCTGGCTTCTTATAACAGAAAGAAAGAG
GACGGGAAGGCAACGTTTGGATTGCAAAGTCATCAGCTGGTGCCAAAGGCGAAGGCATCCTCATCTCCT
CAGAGGCGTCAGAGCTTCTGGATTTTATAGACAACCGAGGCCAAGTGCACGTGATCCAGAAATACCTCGA
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TATAACATCTACCTCTACAGAGAGGGTGTGCTTCAAGCTGCTTCAAGACCATATCATGTTGATAACTTCC
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CTGGCTCATTGAGGTCAACGGTGCCCTGCGTGTGCCGAGAAGCTCTATGCAGAACTGTGTGAGGCATC
GTGGACATAGCCATATCCAGCGTCTTCCACCCCCAGACAGGAGCAGGTGCCGAGCAGCCGGTCTGCT
TCATGAAGCTG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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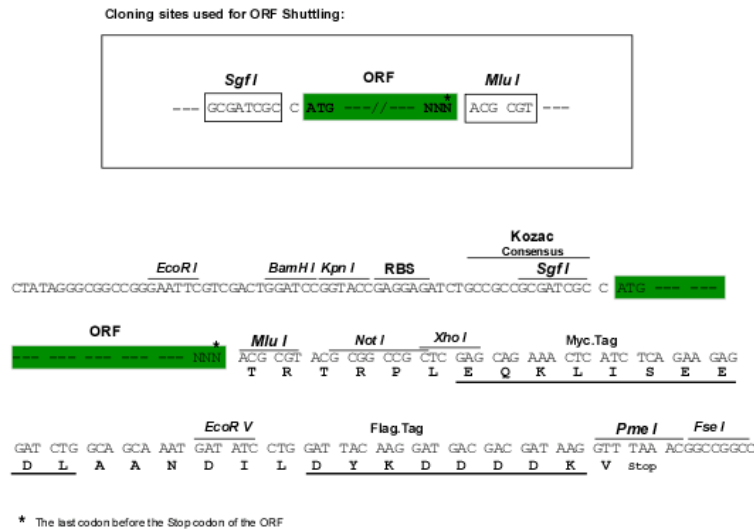
Protein Sequence: >RR213184 representing NM_138536
 Red=Cloning site Green=Tags(s)

MYTFVVRQENSSVYAEVSRLLLATGYWKRLRRDNPRFNLMLGGRNRLPFGRLGHEPGLAQLVNYRGADK
 LCRKASLVKLVKTSPELSESCSWFPESYVIHPTNLKTPVAPAQNGIQLPVSNSRTDEREFFLASYNRKKE
 DGEGNVIAKSSAGAKGEGILISSEASELLDFIDNQGVHVIQKYLEHPLLEPGHRKFDIRSWVLVDHQ
 YNIYLYREGVLRRTASEPYHVDNFQDKTCHLTNHC IQKEYSKNYGKYEEGNEMFFEEFNQYLT SALNITL E
 NSILLQIKHII RSCLMSVEPAISTKHL PYQSFQLLGDFMVD EELKVW LIEVNGAPACAQKLYAELCQGI
 VDIAISSVFPPPDTEQVPQPPA AFMKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138536

ORF Size: 1131 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_138536.1](#), [NP_612545.1](#)

RefSeq Size: 1393 bp

RefSeq ORF: 1134 bp

Locus ID: 171572

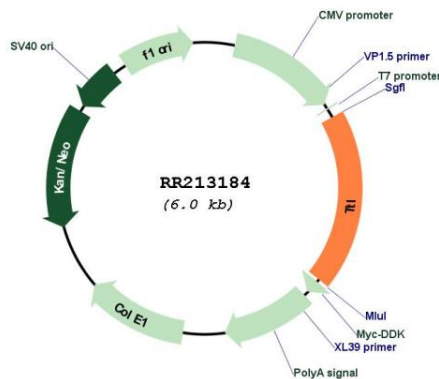
UniProt ID: [Q9QXJ0](#)

Cytogenetics: 3q36

MW: 43.1 kDa

Gene Summary: enzyme that post translationally tyrosinates the carboxy-terminus of alpha tubulin [RGD, Feb 2006]

Product images:



Circular map for RR213184