

Product datasheet for **RR211908**

Ttk (NM_001108172) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttk (NM_001108172) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttk
Synonyms:	Mps1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR211908 representing NM_001108172
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGCTGAAGAGTTAATTGGCAGAAATTTGACAATTGATTCCATCATGAACAAAGTGAGAGACATTA
AAAATAAGATAAATGAAGACCTTACTGATGAGCTAAACTCGATCAAAGTCTGTGTTGACCCACAGAAA
TGTTAACCAAATTATGATGGTTGAGAACACACCAGAGAACTGGTTGAATTTCTTGCTGAAACTAGAGAAA
AACAGCCACCTCTAACGATGCTCTTTTAAATAAGCTGATTGGTCGGTATAGTCAAGCCATTGAAGCAC
TTCCTCCAGATAAATATGGCCAGAATGAGAGCTTTGCTCGAATACAAGTGAAGTGCAGAAATAAAGGC
TATTCAGAACCTGACGATGCTCAGACTACTTCCAAATGGCCCGAGAGAACTGCAAGAAGTTTGCTTTC
GTGCATGTCTCTTTCGCACAGTTTGAAGTGTCTCAAGGCAATCTTAAGAAAAGCGAACAGCTTCTCATA
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TCAATGAGTGAATGCATTTCAAGTAAACGGAAGAATTTATCCATATTAACAGATAGGCAGTGGAGGTT
CAAGTAAGGTGTTTCAGGTATTGAATGAGAAGAAACAGATAAACGCTATCAAATACGTGAACCTTGAAGA
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TTTCTAATAGTTGACGGAATGCTAAAGCTAATTGATTTTGGGATTGCAAACCAAATGCAGCCAGATACAA
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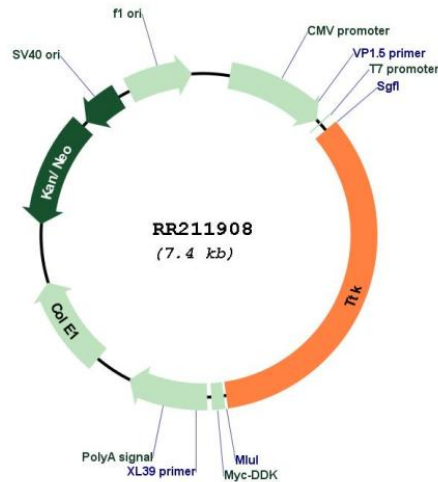
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211908 representing NM_001108172
Red=Cloning site Green=Tags(s)

MEAEELIGRNL TIDSIMNKVRDIKNKINEDLTDELNSIKVCVDP TETVNQIMMVENTPENWLNFLKLEK
NSPPLNDALLNKLIGRYSQAIEALPPDKYQNESFARIQVRLAELKAIQEPDDAHDYFQMARENCKKFAF
VHVSFAQFELSQGNLKKSEQLLHKAVETGAVPLQMLETAIRNLHLQKKQLLSEEDKKSLSASTVLT AQES
FSSSLGNLQSRKSSCDPKVQAAAARILYGENMPPKDAEVSHRNPLKQTNKTKRSCPFGRVPVNLNLPDY
YVKTDGSAVPQFTKRKISGSEYRDSIMPGSKSSGNDSELRGLKPIQAIHLKDSLVSNEKSELMSDLVT
LKSKTDSSTLTKLEPKVRQEPEIPERRHKQWQSARKPGCGIQNSAAFAPQWHVPDVTPKADKESPPLSVP
KWIDPKSVCETPSSSSLDYMKCFKTSVVKNEFPACPSSTPYSQLARHQHQHQGLSTPLQNLQISGSS
SMSECISVNGRIYSILKQIGSGGSSKVFQVLNEKKQINAIKYVNLEDADSQTIDSYRNEIAYLNKLQQHS
DKIIRLYDYEITDRYIYMMECGNIDLNSWLKKKKSINPWERKSYWKNMLEAVHTIHQHGIVHSDLKPAN
FLIVDGMKLKIDFGIANQMOPDTTSIVKDSQVGTVNYMAPEAIRDMSSSRENGKIKTKISPRSDVWSLGC
ILYYMTYGKTPFQHIINQVSKLHAIIDPSHEIEFPEISEKDLRDVLKCLVRNPKERISIPPELLAHPYVQ
IQPHPGSQMAKETTDEMKYMLGQLVCLNSPNSILKAAKTLYERYNCGESQAPSSSKTSDKKRERE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001108172

ORF Size: 2505 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_001108172.1](#), [NP_001101642.1](#)

RefSeq Size: 2909 bp

RefSeq ORF: 2508 bp

Locus ID: 315852

Cytogenetics: 8q31

MW: 94.3 kDa