

Product datasheet for **RN211908**

Ttk (NM_001108172) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN211908 representing NM_001108172
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGGCTGAAGAGTTAATTGGCAGAAATTTGACAATTGATTCCATCATGAACAAAGTGAGAGACATTA
AAAATAAGATAAATGAAGACCTTACTGATGAGCTAAACTCGATCAAAGTCTGTGTTGACCCACAGAAA
TGTTAACCAAATTATGATGGTTGAGAACACACCAGAGAACTGGTTGAATTTCTTGCTGAAACTAGAGAAA
AACAGCCACCTCTAACGATGCTCTTTTAAATAAGCTGATTGGTCGGTATAGTCAAGCCATTGAAGCAC
TTCCTCCAGATAAATATGGCCAGAATGAGAGCTTTGCTCGAATACAAGTGAGACTGCAGAATTAAGGC
TATTCAGAACCTGACGATGCTCAGACTACTTCCAAATGGCCCGAGAGAACTGCAAGAAGTTTGCTTTC
GTGCATGTCTCTTTCGCACAGTTTGAAGTGTCTCAAGGCAATCTTAAGAAAAGCGAACAGCTTCTCATA
AAGCTGTAGAGACGGGGCAGTCCGCTGCAGATGCTGGAGACTGCCATCCGTAACCTACACCTCCAGAA
AAAGCAGCTGCTCTCAGAGGAGGACAAAAGAGTTTATCAGCATCTACAGTAACTGCCCAAGAATCA
TTCTCCAGTTCACCTGGGAATTTACAGAGTAGGAAGAGCAGCTGCGATCCCAAAGTACAGGCTGCTCGAG
CCAGGATTTTATATGGGGAGAACATGCCTCCAAAAGATGCGGAAGTAAGTCATCGAAATCCCTTAAAGCA
AACTAACAAAACCTAACGGTTCATGCCCTTTGGAAGAGTCCAGTTAATCTTCTAAATAGCCAGATTAC
TATGTGAAGACAGATGGTTCAGCTGTGCCACAGTTTACAAAAGAAAAATATCTGGATCAGAATACCGAG
ATTCGATTATGCCTGGATCCAAATCAAGTGAAATGATTCCATGAATTGAGAGGTTTAAAGCCATTCA
AGCTATCCATTTGAAAGACTCTCTGGTGTCCAATGAAAAAGTTCTGAAGTTATGTCTGATTTAGTAACC
TTGAAGAGTAAAACGGATTCAAGTCTAACAAAGTTGGAAGAACCCTAAAGTGCCTCAAGAACCAGGATTC
CAGAAAAGAGGCACAAGCAGTGGCAGTCTGCCAGAAAGCCAGGCTGTGGGATCCAGAATCGGCTGCCTT
TGCCCCCAGTGGCACGTTCCAGATGTAACCCCAAAGGCTGATAAAGAGTACCACCATTATCAGTTCTCT
AAATGGATTGATCCAAAGTCTGTCTGTGAGACCTAGTAGCAGTTCTTGGATGATTACATGAAATGTT
TTAAGACTTCAGTTGTAAGAATGAATCCACCTGCCTGTCCATCATCAACACCTTACAGCCAACCTTGC
CCGCCACCAGCAGCATCAGCAGCAAGGGCTCAGCACTCCTCTTCAAACCTTACAGATTTTCAAGATCTCA
TCAATGAGTGAATGCATTTCAAGTAAACGGAAGAATTTATCCATATTAACAGATAGGCAGTGGAGGTT
CAAGTAAGGTGTTTCAGGTATTGAATGAGAAGAAACAGATAAACGCTATCAAATACGTGAACCTTGAAGA
CGCAGATAGCCAACTATTGACAGTACCAGCAATGAGATAGCTTACTTGAACAAGTTACAGCAGCACAGT
GATAAGATCATCCGCTCTATGACTATGAAATCACGGATCGGTACATCTACATGGTGATGGAATGTGGAA
ACATTGACCTGAACAGTTGGCTTAAAAAGAAAGAAATCCATCAATCCATGGGAACGCAAGAGCTACTGGAA
AAACATGTTGGAGGCCGTACACACGATCCATCAACATGGCATTGTTTATAGTGATCTCAAGCCTGCTAAC
TTTCTAATAGTTGACGGAATGCTAAAGCTAATTGATTTTGGGATTGCAAACCAATGCAGCCAGATACAA
CAAGCATTGTTAAAGATTCTCAGGTTGGCAGAGTAACTACATGGCCCCAGAAGCAATCAGAGACATGTC
TTCTTCAAGAGAAAAATGGGAAAAATCAAGACCAAGATAAGTCCCAGAAAGTATGTGTGGTCCCTTGGGGTGC
ATTTTGTACTATATGACCTACGGGAAAACACCATTTTCCAGCATATCATTAAATCAGGTCTCTAACTACATG
CCATAATTGACCCTAGTCATGAAATTGAGTTTCTGAGATTTTCAAAAAAGATCTTCGAGATGTGCTAAA
GTGCTGCCTAGTACGGAACCTAAAGAGAGGATATCTATCCCCGAGCTCCTCGCACATCCATATGTTTCAG
ATTCAGCCCCATCCAGGCAGCCAAATGGCTAAGGAGACCACTGATGAGATGAAATATATGTTGGGTCAAC
TTGTTTGCCTGAATTCTCCTAACTCCATCCTGAAAGCTGCGAAAACCTTGTATGAACGTTATAATTGTGG
TGAAAGTCAAGCTCCTTCATCATCCAAGACTTCTGACAAAAGAGAGAAAGAGAGTGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001108172
Insert Size: 2508 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:	<ol style="list-style-type: none">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:	<u>NM_001108172.1</u> , <u>NP_001101642.1</u>
RefSeq Size:	2909 bp
RefSeq ORF:	2508 bp
Locus ID:	315852
Cytogenetics:	8q31