

## Product datasheet for **MR215925**

### Ttk (NM\_001110265) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | Ttk (NM_001110265) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                   |
| Symbol:                   | Ttk                                       |
| Synonyms:                 | AL022661; esk; Esk1; Mps1; PYT            |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-Entry (PS100001)                    |
| E. coli Selection:        | Kanamycin (25 ug/mL)                      |



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**ORF Nucleotide Sequence:**

>MR215925 representing NM\_001110265  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGGCTGAAGAGTTAATTGGCAGCAGTGTGACGATTGATTCCATCATGAGCAAAATGAGAGATTA  
 AAAATAAGATAAATGAAGACTGTACTGATGAGCTAAGCTTGTCTAAAATCTGTGCCGATCACACGAAAC  
 TGTTAACCAAATTATGAGGGTTGGGAACACCCAGAGAACTGGTTGAATTTCTTGCTGAAACTAGAGAAA  
 AACAGCTCACCTCTAAATGACGATCTTTTAAATAAGCTGATTGGTCGGTATAGTCAAGCGATTGAAGTAC  
 TTCCTCCAGATAAATACGGCCAGAATGAGAGCTTTGCTCGAATACAAGTGAAGTGGTGAAGTAAAGC  
 TATTCAAGAGCCTGATGATGCCCGTACTACTCCAGATGGCCAGGAAAACTGCAAGAAGTTTGCTTTT  
 GTGCACGTATCTTTGCACAGTTTGAAGTGTCTCAAGGCAATCTTAAAAAAGTGAGCAGCTTCTCATA  
 AAGCTGTAGAGACTGGGGCGGTGCCGCTGCAGATGCTGGAGACGGCCATGCGTAACCTACACCTCCAGAA  
 AAAGCAGCTGCTCCGGAGGAGACAAGAAGAGTGTGTCAGCATCGACAGTAAAGTGCCTCAAGAGCCG  
 TTCTCCAGCTCACTTGGAAATGTACAGAATCGGAGCATCAGCTGTGAGTCCAGAGGACAGGCTGGGGCAG  
 CCAGGGTTTTATGAGAGAACTTGCCTCCACAAGATGCCGAAGTGAGGCATCAAAACCCCTTCAAGCA  
 GACTCACGCAGCTAAACGGTCAATGCCCTTTGGAAGAGTCCCAGTCAATCTTCTAAACAGCCAGATTTT  
 TATGTGAAGACAGATAGCTCAGCTGTGACACAGTTAACAAACAAGAAAGGGTCCAGACCAGACCGAGACG  
 CGATTCTGCCCGCTCCAGACCAGTGGCAGTGATTCTTATGAAGTGAAGGTTTAAAGCCATTCAAAC  
 TATCTATTTGAAAGACTCTTTGGTGTCCAATGAAAAGAGTTCTGAACTTATGTCTGATTTAATAGCCTTG  
 AAGAGTAAAACAGATTCAAGTCTAACAAAATTGGAAGAACTAAGCCAGAGATTGCAGAAAGAAGGCCCA  
 TGCATGGCAGTCTACCAGAAAGCCCGAGTGTGTGTTCCAGAACCCTGCTGCCTTTGACCCCTGCGGCA  
 CGTTCAGATGTACCCCGAAGGCTGACAAAGAGTACCACCAATATCAGTTTCTAAATGGCTTGATCCA  
 AAGTCTGCTGTGAGACCTTAGTAGCAGCTCCTTGGATGATTACATGAAATGTTTTAAGACTCCAGTTG  
 TAAAGAATGACTTTCCACCTGCCTGTCCATCATCAACACCTTACAGCCAGCTTGCCTCCAGCAGCA  
 ACAGCAGCAGGGACTCAGCACTCCTCTTCAAAGCTTGCAGATTTAGGTTCTTCAATAAATGAATGC  
 ATTTTCAGTTAACGGAAGAATTTATCCATATTAAGCAGATAGGCAGTGGAGTTCCAGTAAAGTGTTC  
 AGGTATTGAATGAGAAAAACAGATAAACGCTATCAAATATGTGAACCTAGAAGACGCCGATAGCCAAAC  
 TATTGAGAGCTACCGAACGAGATAGCGTTTTTGAACAACTACAGCAACACAGTGATAAGATCATCCGC  
 CTCTATGATTATGAAATCACCGAGCAGTACATCTACATGGTAAATGGAATGTGAAACATTGACCTAAATA  
 GTTGGCTTAAAAAGAAAAATCCATCAATCCATGGGAACGCAAGAGCTACTGGAAAAACATGTTGGAGGC  
 AGTACACATAATCCATCAGCATGGTATTGTTTCATAGTGATCTGAAGCCTGCTAACTTTGTGATAGTGGAT  
 GGAATGCTAAAGCTAATTGATTTGGGATTGCAAAACCAATGCAGCCAGACACAACAAGCATTGTTAAAG  
 ATTCTCAGTTGGCACAGTTAACTATAATGGCCCCAGAAGCAATCAGAGACATGCTTCTTCAAGAGAAAA  
 TTCGAAAAATCAGGACCAAGTAAGTCCCAGAAGTATGCTGGTCTTGGGGTGCATTTTGTACTACATG  
 ACTTATGGGAGGACGCCATTTCCAGCACATCAATCAGTCTCTAACTGCACGCCATAATCAACCCTG  
 CTCATGAGATTGAATTTCCGAGATTTCCGAAAAAGATCTTCGAGACGTGTTAAAGTGTGTTAGTGAG  
 GAACCTTAAAGAGAGGATATCTATCCCTGAGCTTCTCACACATCCGTATGTTCAAATTCAGCCCCATCCA  
 GGCAGCCAAATGGCTAGGGGAGCCACTGATGAAATGAAATATGTGTTGGGTCAACTTGTGGTCTGAATT  
 CTCTAACTCCATCTTGAAGTCAAAAAGTGAAGTGCATGTACATTACTTCCAGCTGTTTTAATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215925 representing NM\_001110265  
Red=Cloning site Green=Tags(s)

MEAEELIGSSVTIDSIMSKMRDIKNKINEDCTDELSLSKICADHTETVNQIMRVGNTPENWLNFLKLEK  
NSSPLNDDLLNKLIGRYSQAIEVLPPDKYQNESFARIQVRLAELKAIQEPDDARDYFQMARENCKKFAF  
VHVSFAQFELSQGNLKKSEQLLHKAVETGAVPLQMLETAMRNLHLQKKQLLPEEDKKSVSASTVLSAQEP  
FSSSLGNVQNRISCESRGQAGAARVLYGENLPPQDAEVRHQNPFKQTHAAKRSCPFGRVPVNLNPDF  
YVKTDSSAVTQLTTRKGSPPDRDAILPGSRPRGSDSYELRGLKPIQTIYKDSLVSNEKSSELMSDLIAL  
KSKTDSSLTKLEETKPEIAERRPMQWQSTRKPECVFNPAAPLRRHVPDVTPKADKESPPISVPKWLDP  
KSACETPSSSSLDYMKCFKTPVVKNDFFPACPSSTPYSQLARLQQQQQGLSTPLQSLQISGSSSINEC  
ISVNGRIYSILKQIGSGGSSKVFQVLNEKKQINAIKYVNLEDADSQTIESYRNEIAFLNKLQQHSDKIIR  
LYDYEITEQYIYMMECGNIDLNSWLKKKKSINPWERKSYWKNMLEAVHIIHQHGIVHSDLKPANFVVD  
GMLKLIDFGIANMQPDTTSIVKDSQVGTVNYMAPEAIRDMSSSRENSKIRTKVSPRSDVWSLGCILYYM  
TYGRTPFQHIINQVSKLHAIINPAHEIEFPEISEKDLRDVLCCLVRNPKERISIPPELLTHPYVQIQPHP  
GSQMARGATDEMKYVLGQLVGLNSPNSILKTAKVSACTLLPAVLM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9033\\_b09.zip](https://cdn.origene.com/chromatograms/mm9033_b09.zip)

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_001110265

ORF Size: 2445 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\\_001110265.1](#), [NP\\_001103735.1](#)

**RefSeq Size:** 2711 bp

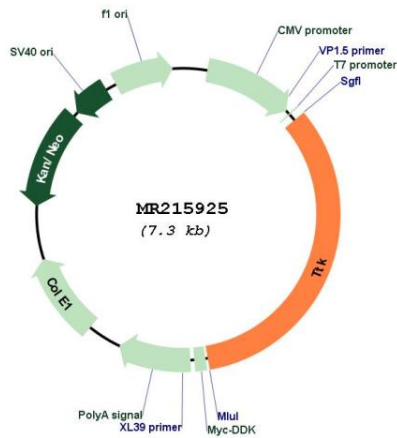
**RefSeq ORF:** 2448 bp

**Locus ID:** 22137

**Cytogenetics:** 9 E2

**MW:** 92 kDa

**Product images:**



Circular map for MR215925