

## Product datasheet for MR225177

### Trappc10 (NM\_001081055) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Trappc10 (NM\_001081055) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Trappc10  
**Synonyms:** B230307C21Rik; Gm870; Tmem1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR225177 representing NM\_001081055  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACGCCCTGAGGAGCCACAGCCACCGGTGGTCTACACCATGGAGAACAAGCCCATCGTCACCTGTG  
 CTGGAGATCAGAAATTTTACCTCCATTTATCCGACACTTTCCAGCAGCTTCCAAGAGAACCAATGGA  
 ATGGAGAAGGTCTTATGGCCGAGCTCCAAAATGATTCACCTGGAATCCAACCTTTGTTCAAGGAG  
 GAGCTGCTGCCAAAGAAGGGAACAAAGCCCTGCTCACCTTCCCTTCTCCACATCTACTGGACAGAGT  
 GCTGCGATACTGAAGTGTACAAAGCTACGGTAAAAGACGACCTCACCAAGTGGCAGAATGTTCTGAAAGC  
 TCATAGCTCTGTGGACTGGCTAATAGTGGTAGTTGAAAATGATGCCAAGAAAAAACAACCAACATC  
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 TGCTCTCTGACCTTTGAAGGACTCTTCTCGAACTCAGGAATCCTGGAATGCCTTCTGACCAAACTCAG  
 GACTCTGCTGCTCATGTCTTTCACCAAAAACCTCGGCAAGTTTGAGGATGACATGCGGACTTTGAGGGAA  
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 AGATGCTGCAGCAGTTTGAGGACGCCCTGGTACAGTACGACGAGCTGGATGCCCTCTTTCACAGTACGT  
 GGTCAACTTCGGAGCTGGGGATGGTGCCAACTGGCTGACTTTTTCTGCCAGCCGGTGAAGAGCTGGAAAC  
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 GTCCTTAGGGTACCTATGTGGACTTGTATCAGAAAAAGGCCCAACTCAGAAGATCTCAACAGAAGCTT  
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 GATGTATACAAGTATCGGGCGGATTCGATCTGCCAAGCTTGTGGAAAAGATCTGGCAGAATTTTACATG  
 AGGAAAAGGTCCGCCACAGAAGGCAGAAATGTATCTTCAGGGAGCTTTGAAAATACCTGGCTGAGGGCT



GGGCCCTGCCTGTACACACACAAGGAAGCAGCTAGCAGAGTGCCAAAAACACCTTGGGCAAATGGAAAA  
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TGAAGCACTCGTGAATCTGAGGACTATTTTTCCAAAACTTATGTATGAAGTTGTGGACAACAGCAGC  
AATTGGGCTGTGTGGGAAGAGCTGTGGTGTATCGCCATGCCTTTGGCTGCCAGGCCACTCACAGAG  
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CCCCACCACTCTGCTCATGCCTCTCAACTGGATGCTGACAGCTGGATAGAAAATGACAGCCTGTCAGTG  
GACAAGCACCTAGATGACCAGCTGGACTGCAGCAGCTTGGGAGTAGAGGCAGCACACACTCCACTTCCA  
GCAGCGAGCACAAGGCTTGCCATGCCCGGCTCCAAGCACTGCCCGCTGGCCAGTCTTCAACTCCAG  
CACTGGCATGCAGTCTGGTCAATCCCAGTCAAGACGACCAGTCTGGAAGTCACTGTTACC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225177 representing NM\_001081055  
 Red=Cloning site Green=Tags(s)

MDAPEEPQPPVVYTMENKPIVTCAGDQNLFTSIYPTLSQQLPREPMWRRSYGRAPKMIHLESNFVQFKE  
 ELLPKEGNKALLTFPFLHIYWTECCDTEVYKATVKDDLTKWQNVLKAHSSVDWLI VVVENDAKKKNKTNI  
 LPRTSIVDKIRNDFCNKQSDRCVVLSDPLKSSRTQESWNAFLTKLRTL LLSMFTKNLGFEDDMRTLRE  
 KRTEPGWSFCEYFMVQEELAFVFEMLQQFEDALVQYDELDA LFSQYVVNFAGDGANWLTFFCQPVKSWN  
 GLVLRKPIDMEKRELIQKQEATLLDLRSYLF SRQCTLL LFLQRPWEVAQRALELLHSCVQELK LLEVSVP  
 PGALDCWVFLSCLVLRQIEGCCDRAQIDSNI AHMVGLWSYAMEK LKSLGYLCGLVSEKGPNS EDLNRTV  
 DLLAGLGAERPETAQAQSPYKQLQEALSSVEAFEKHYLDL SHATIEMYSIGRIRSAKLVGKDLAEFYM  
 RKRSPQKAEMYLQGALKNYLAEGWALPVTHTRKQLAECQKHLGQ MENYLQTSLLASDHHLTEEEKYFC  
 QEILSFASQEDNPGHKVVLPMQFARLKD LHFDPNAVHAGGVL TVEITVCSQMP IPVHV DQIAVNVHF  
 SIEKNYRKAETWLT KHKTSNGIITFPAEASLFPASQNSLPALELSEMLERSPSDNLNTG IICRNVMH  
 LLRRQESGSSLEPPSGLALEDGAHVLRCS SVTLQPGANKIAFKTQAKEPGTYTLRQLRASVGPVWFLAH  
 IHPIVQYDVYSQEPQLHVEPLADSLLAGIPQKV KFTVTTGHYTVKNGDSLQLSNVEAMLILCQAENRAVV  
 YSNSREECSTALLRIQSSDKVTSIGLPTAPAYHVIEFELEVL SLPASAPASGGDTSVPGTPELHRKQKDSQ  
 RAGHCMVTTDHKVSIDCPWSIYSTVIALTF SVPFRT EHSLLSAGTRKYVQVCVQNLSEDFELSDSNLED  
 KGHATDLRLAPLNTQSQQLIHKSQSVFFVWELTWTQEP PPLHCQF SVGFSPASEEQ LTVSLKPYTYEFQ  
 VENFFTLYSVRAEILPASGA EYCKTGS LSCLEVSITRLADLLDVKDEALVESEDYFSTKLMYEVVDNSS  
 NWAVCGKSCGVIAMPLAAQATHRVHMEVMPLFAGYLPLPDVRLFKYLPHHSAHASQLDADSWIENDSLSV  
 DKHLDDQLDCSSLRSGSTHSTSSSEHKGLPMPRLQALPAGQVFNSS TGMQV LVIP SQDDHVLEVSVT

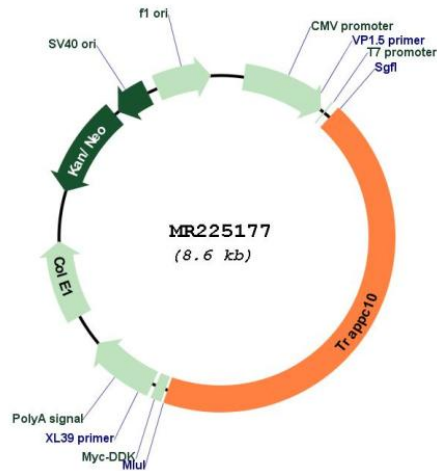
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001081055

**ORF Size:** 3774 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\\_001081055.2](#)

**RefSeq Size:** 5048 bp

**RefSeq ORF:** 3777 bp

**Locus ID:** 216131

**UniProt ID:** [F8VQF9](#)

**Cytogenetics:** 10 39.72 cM

**MW:** 141.9 kDa

**Gene Summary:** Specific subunit of the TRAPP (transport protein particle) II complex, a highly conserved vesicle tethering complex that functions in late Golgi trafficking as a membrane tether. [UniProtKB/Swiss-Prot Function]