

Product datasheet for **MG225177**

Trappc10 (NM_001081055) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Trappc10 (NM_001081055) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Trappc10 |
| Synonyms: | B230307C21Rik; Gm870; Tmem1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG225177 representing NM_001081055 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGCCCTGAGGAGCCACAGCCACCGGTGGTCTACACCATGGAGAACAAGCCCATCGTCACCTGTG
CTGGAGATCAGAAATTTATTTACCTCCATTTATCCGACACTTTCCAGCAGCTTCCAAGAGAACCAATGGA
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GAGCTGCTGCCAAAGAAGGGAACAAAGCCCTGCTCACCTCCCCTTCTCCACATCTACTGGACAGAGT
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AGGAAAAGGTCGCCACAGAAGGCAGAAATGTATCTTCAGGGAGCTTTGAAAAATTACCTGGCTGAGGGCT
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GCAGCGAGCACAAGGCTTGCCCATGCCCGGCTCCAAGCACTGCCCGCTGGCCAGGTCTTCAACTCCAG
CACTGGCATGCAGGTCCTGGTCAATCCAGTCAAGACGACCACGTCCTGGAAGTCAGTGTACC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG225177 representing NM_001081055
 Red=Cloning site Green=Tags(s)

MDAPEEPQPPVVYTMENKPIVTCAGDQNLFTSIYPTLSQQLPREPMWRRSYGRAPKMIHLESNFVQFKE
 ELLPKEGNKALLTFPFLHIYWTECCDTEVYKATVKDDLTKWQNVLKAHSSVDWLI VVVENDAKKKNKNTNI
 LPRTSIVDKIRNDFCNKQSDRCVVLSDPLKSSRTQESWNAFLTKLRTL LLSMFTKNLKGKFEDDMRTLRE
 KRTEPGWSFCEYFMVQEELAFVFEMLQQFEDALVQYDELDALFSQYVVNFAGDGANWLTFFCQPVKSWN
 GLVLRKPIDMEKRELIQKQEATLLDLRSYLF SRQCTLLLF LQRPWEVAQRALELLHSCVQELK LLEVSVP
 PGALDCWVFLSCLVLRQIEGCCDRAQIDSNIAH MVGLWSYAMEK LKSLGYLCGLVSEKGPNS EDLNRTV
 DLLAGLGAERPETAQAQSPYKQLQEALSSVEAFEKHYLDL SHATIEMYSIGRIRSAKLVGKD LAEFYM
 RKRSPQKAEMYLQGALKNYLAEGWALPVTHTRKQLAECQKHLGQMENYLQTSLLASDHHLTEEERKYFC
 QEILSFASQQEDNPGHKVVLPMQFARLKD LHFDPNAVHAGGVL TVEITVCSQMPIPVHVDQIAVNVHF
 SIEKNNYRKTAEWLTKHKTSNGIITFP AEASLFPASQNSLPALELSEMLERSPSDNLNTG IICRNVHM
 LLRRQESGSSLEPPSGLALEDGAHVLRCS SVTLQPGANKIAFKTQAKEPGTYTLRQLRASVGPVWFLAH
 IHPIVQYDVYSQEPQLHVEPLADSLLAGIPQKV KFTVTTGHYTVKNGDSLQLSNVEAMLILCQAENRAVV
 YSNSREECSTALLRIQSSDKVTSIGLPTAPAYHVIEFELEVL SLPAPASGGDTSVPGTPELHRKQKDSQ
 RAGHCMVTTDHKVSIDCPWSIYSTVIALTF SVPFRTEHSLLSAGTRKYVQVCVQNLSELD FELSDSNLED
 KGHATDLRLAPLNTQSQQLIHSKQSVFFVWELTWTQEP PPLHCQF SVGFSPASEEQ LTVSLKPYTYEFQ
 VENFFTLYSVRAEILPASGA EYCKTGS LSCSLEVSITRLADLLDVKDEALVESEDFY STKLMYEVVDNSS
 NWA VCGKSCGVIAMPLAAQATHRVHMEVMPLFAGYLP LDPVRLFKYLPHHSAHASQLDADSWIENDSLSV
 DKHLDDQLDCSSLRSGSTHSTSSSEHKGLPMPRLQALPAGQVFN SSTMGMQV LIPSQDDHVLVSVT

TRTRPLE - GFP Tag - V

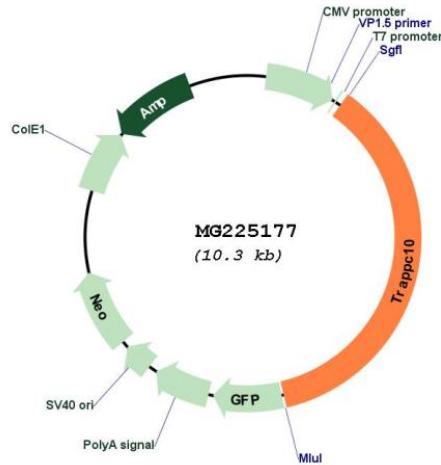
Restriction Sites:

SgfI-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

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]