

## Product datasheet for **MC203030**

### Trappc12 (NM\_178811) Mouse Untagged Clone

#### Product data:

|                           |                                           |
|---------------------------|-------------------------------------------|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | Trappc12 (NM_178811) Mouse Untagged Clone |
| Tag:                      | Tag Free                                  |
| Symbol:                   | Trappc12                                  |
| Synonyms:                 | CGI-87; D930014A20Rik; Ttc15              |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                      |



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**Fully Sequenced ORF:** >BC024077  
 CGGACGCGTGGGTCTCTTCGGACCCTTTTCGCCTGTGGGTGACCCGACCTCAGGGGCGGGTGGCAGGTGA  
 GGAGCGGGTGCAGTGAGGAGGGTCGCCGTACCTCGACCTCCACAGAGGGCGGCTCCTCGCGTAA  
 TCAACCGCTCTCGGCCACGCAGAGAGTAGCCCCACGAGGGGCTGGCTCCTTCGGGCTTTAGCCAATTCTG  
 TGTGCTCCCTGTGGTTTTGGACAAGACAACATGGAACAGCTAAAGATGGTGAGCAGAGCCCAAGTGAGG  
 CATCTCCTTCAGCCCAGGCAGGTCTGAAAACATCCCGGAGCCTATGTCTCGGGAGGAGGAGGCCAGCC  
 ATTGTACCATGAAGAGACCATTGATCTTGGTGGAGATGAGTTTGCATCTGAAGAGAACGAGCCACATCG  
 GAAGGGTCTCACAACTTCGGAGATAAGCTTAATGAGCACATGATGGAAAGTGTGCTCATCTCCGACTCTC  
 CTAACAACAGCGAGGGGACGTTGGCGACCTCGGCTGTCTACAGGATGTTGGGGAGCCCCCAGAGGTGC  
 CACTGATACCGACTGCCAGTAGCACAGACAAAGAAGTGGTGGACACTCTGAGTAATGGCAGTGAAACC  
 GATGGAGACGACTCCAGAGACATCTCAGACATGACACCTGATAGCAGAGCCTCTCTGAAGGAAGACT  
 CAACACAGGAAGATGTGACGAGCATGCCTGCACTGGAGAATGCTGCCACGGAGGAAGTCGGGCTAAGGA  
 CAGCCTCGCACCCCGAGAAGAGCAGACCTCAGAAGTGCTCTCAATCAGTCTCTCCAAAGACGAGCCC  
 TTGCCCGTCTGCACCATCTTCAGCCAGGCTACCGCCACTCCCTCCAGCCACACCTGTTTCTACAGGATG  
 GCTTCGAGTCCCAGATGGTGAAATCACCCAGTTTCAGTAGCACCAGTGAGATGTCAGCCAAGACCCCTCC  
 TCCGATGGTCCAGCCAGTCCCAGCCTCAGTACATTTTTTGGAGATACAATGAGCTCTAATTCCTTGGCC  
 TCTGACTTCTTTGATTCTTCACAACTTCTACTTTCATTTCAAGTCAAGTATCCCAATGCAGGTTCCCCAG  
 TTCCAGAAAAGCTGTCTTCACTCACTGCCCTGTAGGAGAGAAGTCCCGGATTCCACCAGCCCATCTTA  
 CTCCACAAGGATGGATAGATCGGAATCAGGTGTTTCTCGGGCCCTCTGGATGTCCTGAATCTCCAAAG  
 CCATTTTCACAGATCCAGGCTGTGTTTGTCTGGAAGTGATGACCCCTTCGCCACAGCCCTGAGCATGAGCG  
 AGATGGACCGGAGGAATGACGCATGGCTTCCAGTCAGGCGACCAGAGAAGTCTGATGTCAGTAGCAAC  
 CCAGCAGTATGGCACTGTGTTTATAGACAAGGAGAACCCTCACTATGCCTGGCCTCAAGTTTGACAACATT  
 CAGGGAGATGCAGTTAAAGACTTGATGCTTCGCTTCTGGGTGAGAAGGCTGCAGCAAAGAGACAGGTCT  
 TAAATGCCAGCTCAGTGGAGCAGTCCTTTGTGGGGCTGAAGCAGCTCATTAGCTGAGGAATGGAGGGC  
 AGCAGTCGACCTGTGTGACGCCTGCTCACAGCCACGGACAAGGCTATGGCAAGATGGGCTGCCACC  
 AGCCACACCACAGACTCCTTGACGCTCTGGTTTGTGAGGTTGGCGCTGCTGGTGAAGTTGGGCTTTTCC  
 AGAATGCTGAGATGGAGTTTGAACCTTTGAAAATCTGGATCAACCAGACCTATACTATGAATACTACCC  
 ACACGTGTACCCAGGACGAGGGGCTCCATGGTCCCCTTTTCGATGCGTATTTTGCATGCAGAACTGCAG  
 CAGTATCTGGGGAACCCACAGGAGTCCCTGGACCGATTACACAGGGTCAAGACCGTCTGCAGCAAGATCT  
 TGGCCAACTTGGAGCAAGGCTTAGCTGAAGATGGTGGTCTGAGCAGCGTCACCCAGGAAAGCAGGCAAGC  
 CTCTGTTCACTGTGGAGGTCTCGTCTGGGCCGTGTGCTGTACTCCATGGCAAACTGTCTGCTCCTGATG  
 AAGGACTATGTGCTGGCTGTGGACGCCTACCTCACAGTAATCAAGTACTACCCGAGCAGGAGCCACAGC  
 TGCTGAGTGGAATCGGCCGATTCTCCTCCAGATCGGAGACATAAAAAACAGCTGAAAAATATTTTCAAGA  
 CGTTGAGAAAAGTAACTCAGAAGTTGGATGGACTGCAGGGTAAAATATGGTCCTAATGAACAGAGCCTTT  
 CTGTACCTTGGCCAGAATAAATTCGCAGAAGCTCACAAGTTCTTCACAGAGATTTTGAGAATGGACCCAA  
 CAAATGCAGTGGCCAACAACAATGCTGCTGTGTCTGCTTTACCTGGGAAAGCTCAAGGACTCCCTGCG  
 GCAGCTGGAGGCCATGGTGCAGCAGGACCCAGGCACTACCTGCACGAGAGCGTGCTCTTCAACCTGACC  
 ACCATGTACGAGCTGGAGTCTCAAGGAGCATGCAAAAAGAAGCAGAGCCCTACTTGAGGCCGTTGCTAGCA  
 AAGAAGGGGACAGCTTCAACACACAGTGCCTGAAGCTGGCTTAGTTCCCTCCAGGTCTCTGTACCTGCAG  
 ACACTTGAGCAGATGGGTCAAGTAAAAGCATTTGATGGGTGTGCAGGAGCATGCCTTCGGCTGGCTGGGCT  
 ACCCTCAGACCCGCTGACCTGCCTACCATGTAGTTGCACAAAAGTGCCTGTTGGTGAAGGTGAGCCATAT  
 GCATGGCATTGAGAAACAGGGAACATAAGGACGTGGGGTTCCCTTGGTTTGTTCATGGAAGCTAACTTGT  
 TCTTTGGTCACTTCTGAATACTCGTTTGGTAAATAATACTGCCTGTTCTCACTATAGGCCTAAAAA  
 AAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_178811  
**Insert Size:** 2394 bp

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OTI Disclaimer:</b>        | 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).                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                     |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>RefSeq:</b>                | <u><a href="#">BC024077</a></u> , <u><a href="#">AAH24077</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq Size:</b>           | 2966 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>            | 2394 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>              | 217449                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID:</b>            | <u><a href="#">Q8K2L8</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b>          | 12 A2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Summary:</b>          | <p>Component of the TRAPP complex, which is involved in endoplasmic reticulum to Golgi apparatus trafficking at a very early stage. Also plays a role in chromosome congression, kinetochore assembly and stability and controls the recruitment of CENPE to the kinetochores.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |