

## Product datasheet for **RG218876**

### TRAP100 (MED24) (NM\_001079518) Human Tagged ORF Clone

#### Product data:

|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| Product Type:             | Expression Plasmids                                    |
| Product Name:             | TRAP100 (MED24) (NM_001079518) Human Tagged ORF Clone  |
| Tag:                      | TurboGFP                                               |
| Symbol:                   | TRAP100                                                |
| Synonyms:                 | ARC100; CRSP4; CRSP100; DRIP100; MED5; THRAP4; TRAP100 |
| Mammalian Cell Selection: | Neomycin                                               |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                 |



[View online »](#)

**ORF Nucleotide  
Sequence:**

>RG218876 representing NM\_001079518  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGTGGTCAACCTGAAGCAAGCCATTTTGAAGCCTGGAAGGAGCGCTGGAGTGACTACCAATGGG  
 CAATCAACATGAAGAAATCTTTCTAAAGGAGCCACCTGGGATATTCTCAACCTGGCAGATGCGTTACT  
 AGAGCAGGCCATGATTGGACCATCCCCAATCCTCTCATCTTGTCTACCTGAAGTATGCCATTAGTTCC  
 CAGTTTGTGACTTTTCTCGGGACCTGTGTGCCAGGCATTGCTGGACATCATGGACATGTTTTGTGACC  
 GTCTGAGCTGTCACGGCAAAGCAGAGGAATGCATCGGACTGTGCCGAGCCCTTCTTAGCGCCCTCCACTG  
 GCTGCTGCGTGCACGGCAGCCTCTGCAGAGCGGCTGCGGGAGGGGCTGGAGGCCGGCACTCCAGCCGCT  
 GGGGAGAAGCAGCTTGCCATGTGCCTTCAGCGCCTGGAGAAAACCCTCAGCAGCACAAGAACCAGGGCCC  
 TGCTGCACATCGCCAACTAGAGGAGGCCTCTTCTGGACTGCCATCGAGCATTCTCTTGAACTTGG  
 AGAGATCTGGCCAATCTCAGCAACCCGAGCTCCGGAGTCAGGCCGAGCAGTGTGGCACCCCTCATTAGG  
 AGCATCCCCACGATGCTGTCTGTGCATGCGGAGCAGATGCACAAGACCGGCTTCCCCACTGTCCACGCCG  
 TGATCCTGCTCGAGGGCACCATGAACCTGACAGGCGAGACGCAGTCCCTGGTGGAGCAGCTGACGATGGT  
 GAAGCGCATGCAGCATATCCCCACCCACTTTTGTCTGGAGATCTGGAAGCTTGCTTCGTGGGGCTC  
 ATTGAGTCTCCCGAGGGTACGGAGGAGCTCAAGTGGACAGCTTTCACCTTCTCAAGATTCACAGGTTT  
 TGGTGAAGTTGAAGAAGTACTCTCATGGAGACAAGGACTTCACTGAGGATGTCAACTGTGCTTTTGAAGT  
 CCTGCTGAAGCTCACCCCTTGTGGACAAAGCTGACAGCGCTGCAACTGTGACTGTACAACTTCTCTG  
 CTCCAAGAATGTGGCAAGCAGGGGCTTCTGTCTGAGGCCAGCGTCAACAACCTTATGGCTAAGCGCAAAG  
 CGGACCGAGAGCAGCACCCAGCAGAAATCGGGAGAGAATGCCAACATCCAGCCCAACATCCAGCTGAT  
 CCTCCGGGCGGAGCCCACTGTCAACAACATCCTCAAGACGATGGATGCAGACCACTCTAAGTCACCGGAG  
 GGACTGCTGGGAGTCTGGGCCACATGTGTCCGGGAAGAGTCTGGACTTGTGCTGGCTGCCGCCGCCG  
 CCACTGGAAGCTGAAATCCTTCGCCCGGAAATTCATCAATTTGAATGAATTCACAACCTATGGCAGCGA  
 AGAAAGCACAAACCGGCCTCCGTCCGGGCCCTGCTGTTTGACATCTCCTTCTCATGCTGTGCCATGTG  
 GCCCAGACCTATGGTTCAGAGGTGATTCTGTCCGAGTCGCGCACAGGAGCTGAGGTGCCCTTCTTCGAGA  
 CCTGGATGCAGACCTGCATGCCTGAGGAGGGCAAGATCCTGAACCCTGACCACCCCTGCTCCGCCCCGA  
 CTCCACCAAAGTGGAGTCCCTGGTGGCCCTGCTCAACAACCTCCTCGGAGATGAAGCTAGTGCAGATGAAG  
 TGGCATGAGGCCGTGTCTCAGCATCTCAGCCGCCATCTTGAAATCCTCAATGCCTGGGAGAATGGGTCC  
 TGGCCTTCGAGTCCATCCAGAAATCACTGATAACATCAAAGGGAAGGTATGCAGTCTGGCGGTGTGTGC  
 TGTGGCTTGGCTTGTGGCCACGTCCGGATGCTGGGGCTGGATGAGCGTGAGAAGTCGCTGCAGATGATC  
 CGCCAGCTGGCAGGGCCACTGTTAGTGAGAACACCCTGCAGTTCTACAATGAGAGGGTGGTGATCATGA  
 ACTCGATCCTGGAGCGCATGTGTGCCGACGTGCTGCAGCAGACAGCCACGCAGATCAAGTTTCCCTCCAC  
 CGGGGTGGACACAATGCCCTACTGGAACCTGCTGCCCCCAAGCGGCCCATCAAAGAGGTGCTGACGGAC  
 ATTTTGGCAAGGTGCTGGAGAAGGGCTGGGTGGACAGCCGCTCCATCCACATCTTTGACACCCTGCTGC  
 ACATGGGCGGCGTCTACTGTTCTGCAACAACCTGATTAAGGAGCTGCTGAAGGAGACGCGGAAGGAGCA  
 CACGCTGCGGGCAGTGGAGCTGCTCTACTCCATCTTCTGCCTGGACATGCAGCAAGTGACCTGGTCTCTG  
 CTGGGCCACATCCTACCTGGCCTGCTCACTGACTCCTCAAGTGGACAGCCTCATGGACCCCGGGCA  
 CTGCTCTTGCCAAGCTGGCCGTGTGGTGTGCCCTCAGTTCCTACTCTCCACAAGGGACAGGCGTCCAC  
 CCGCCAGAAGAAGAGACACCGCAAGACATTGAGGATTATATCAGCCTCTTCCCCTGGACGATGTGCAG  
 CCTTCGAAGTTGATGCGACTGCTGAGCTCTAATGAGGACGATGCCAACATCCTTTCGAGCCCCACAGACC  
 GATCCATGAGCAGCTCCCTCTCAGCCTCTCAGCTCCACACGGTCAACATGCGGGACCCCTCTGAACCGAGT  
 CCTGGCCAACCTGTTCTGCTCATCTCCTCATCTGCGGCTCGCACCGCTGGCCCCACACCCAGTTC  
 GTGCAGTGGTTTATGGAGGAGTGTGTGGACTGCCTGGAGCAGGGTGGCCGTGGCAGCGTCTGCAGTTCA  
 TGCCCTTCACCACCGTGTGGAAGTGGTGAAGGTGTAGCCATGTCCAGCCCCAAGGTGGTTCTGGCCAT  
 CACGGACCTCAGCCTGCCCTGGGCCGCCAGGTGGCTGCTAAAGCCATTGCTGCACTC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG218876 representing NM\_001079518  
 Red=Cloning site Green=Tags(s)

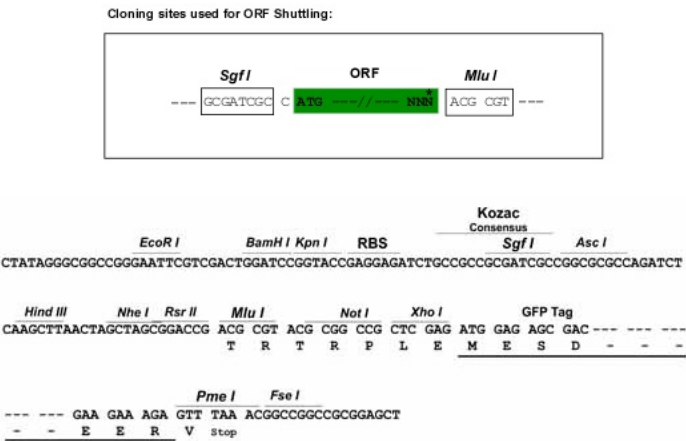
MKVVNLKQAILQAWKERWSDYQWAINMKKFFPKGATWDILNLADALLEQAMIGPSNPPLILSYLKYAIS  
 QFDDFSDRLCVQALLDIMDMFCDRLSCHGKAEECIGLCRALLSALHWLLRCTAASAERLREGLEAGTPAA  
 GEKQLAMCLQRLEKTLSTKNRALLHIAKLEEASWTAIEHSLKLGEILANLSNPQLRSQAEQCGTLIR  
 SIPTMLSVHAEQMHKTGFPTVHAVILLEGTMLTGETQSLVEQLTMVKRMQHPTPLFVLEIWKACFVGL  
 IESPEGTEELKWTAFTLKIPQVLVKLKKYSHGDKDFTEDEVNCAFEFLKLTPLLDKADQRCNCDCTNFL  
 LQECGKQGLLSEASVNNLMAKRKADREHAPQQKSGENANIQPNILILRAEPTVTNLIKTMADHKSPE  
 GLLGVLGHMLSGKSLDLLAAAAATGKLKSFARKFINLNEFTTYGSEESTKPASVRALLFDISFLMLCHV  
 AQTGSEVILSESRTGAEVPPFETWMQTCMPEEGKILNPDHPCFRPDSTKVESLVALLNNSSEMMLVQMK  
 WHEACLSISAAILEILNAWENGVLAFESIQTIDNIKGKVCSLAVCAVAVLVAHVRLGLDEREKSQMI  
 RQLAGPLFSENTLQFYNERVVIMNSILERMCAVDLQQTATQIKFPSTGVDTPYWNLLPPKRPIKEVLT  
 IFAKVLEKGVDSRSIHIFDTLLHMGVYWFNNLIKELLKETRKEHTLRAVELLYSIFCLDMQQVTLVL  
 LGHILPGLLTDSKWHSLMDPPGTALAKLAVWCALSSYSSHKQASTRQKKRHREDIEDYISLPLDDVQ  
 PSKLMRLSSNEDDANILSSPTDRSMSSSLASQLHTVNMRLPLNRVLANLFLISSILGSRTAGPHTQF  
 VQWFMEECVDCLEQGGRSVLQFMPFTTVSELVKVSAMSSPKVLAITDLSLPLGRQVAAKAAIAL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

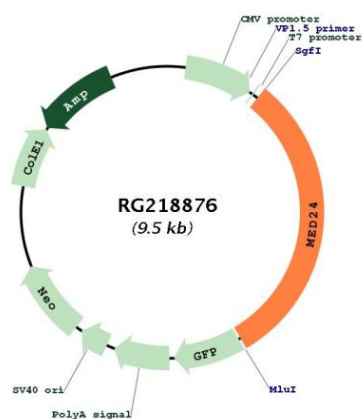


ACCN: NM\_001079518

ORF Size: 2928 bp

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>                                                                                                                  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <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>RefSeq:</b>                | <a href="#">NM_001079518.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>RefSeq Size:</b>           | 3718 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq ORF:</b>            | 2931 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Locus ID:</b>              | 9862                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>UniProt ID:</b>            | <a href="#">O75448</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cytogenetics:</b>          | 17q21.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Families:</b>      | Druggable Genome, Transcription Factors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Summary:</b>          | This gene encodes a component of the mediator complex (also known as TRAP, SMCC, DRIP, or ARC), a transcriptional coactivator complex thought to be required for the expression of almost all genes. The mediator complex is recruited by transcriptional activators or nuclear receptors to induce gene expression, possibly by interacting with RNA polymerase II and promoting the formation of a transcriptional pre-initiation complex. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |

## Product images:



Circular map for RG218876