

## Product datasheet for **RC204365**

### **TTC15 (TRAPPC12) (NM\_016030) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TTC15 (TRAPPC12) (NM_016030) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTC15
Synonyms:	CGI-87; PEBAS; TTC-15; TTC15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC204365 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

```
ATGGAGGACGCTGGCGGGCGGAGGAGACCCCGGCCCGGAGGCCCGCACCCCCCTCAGCTCGCGCCTC
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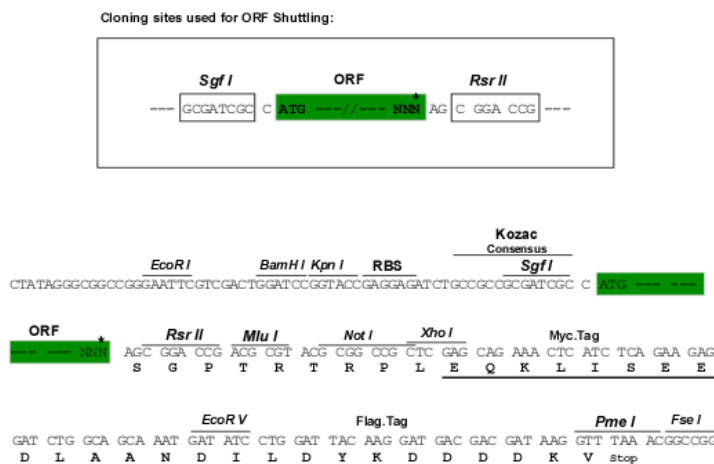
**Protein Sequence:** >RC204365 protein sequence  
Red=Cloning site Green=Tags(s)

```

MEDAGGGEETPAPEAPHPQLAPPEEQGLLFQEETIDLGGDEFGSEENETASEGSSPLADKLNHMMESV
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AHIQAVFAGSDDPFATALSMSEMDRRNDAWLPGATRGLRAVATQQRGAVFVDKENLTMPLRFDNIQG
DAVKDLMLRFLGEKAAAKRQVLNADSVEQSFVGLKQLISCRNWRAAVDLCGRLLTAHQGYGKSGLLTSH
TTDSLQLWFVRLALLVKLGLFQNAEMEFEPGNLDQPDLYEYYPHVYPGRRGSMVPFSMRILHAELQQY
LGNPQESLDRLHKVKTVCISKILANLEQGLAEDGGMSSVTQEGRQASIRLWRSRLGRVMSMANCLLLMKD
YVLAVDAYHSHVIKYYPEQEPQLLSGIGRISLQIGDIKTAEKYFQDVEKVTQKLDGLQGMVLMNSAFLH
LGQNNFAEAHRFFTEILRMDPRNAVANNNAAVCLLYLGLKDSLRLQLEAMVQQDPRHYLHESVLFNLTTM
YELESSRSMQKKQALLEAVAGKEGDSFNTQCLKLA
    
```

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_016030

**ORF Size:** 2170 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_016030.4](#)

**RefSeq Size:** 2546 bp

**RefSeq ORF:** 2208 bp

**Locus ID:** 51112

**UniProt ID:** [Q8WWT3](#)

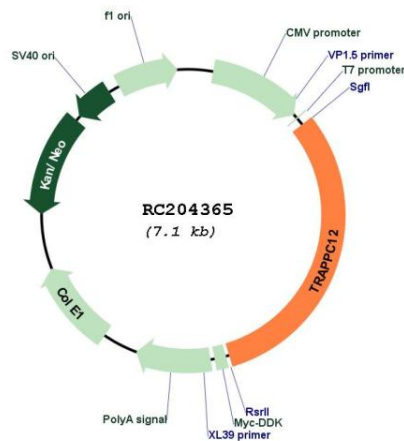
**Cytogenetics:** 2p25.3

**Domains:** TPR

**MW:** 79.4 kDa

**Gene Summary:** Component of the TRAPP complex, which is involved in endoplasmic reticulum to Golgi apparatus trafficking at a very early stage (PubMed:21525244, PubMed:28777934). Also plays a role in chromosome congression, kinetochore assembly and stability and controls the recruitment of CENPE to the kinetochores (PubMed:25918224).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RC204365