

## Product datasheet for **RR214428**

### **Ttc23 (NM\_001025681) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ttc23 (NM_001025681) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttc23
Synonyms:	RGD1310409
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR214428 representing NM\_001025681  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGTACAAGAAAAGAAAGCGAGCCGATGATAAGCGTGTAGCTCAAAGGACAATGCATATGAGA  
 ATATGCAAGAGTCTCAGGAGACTCACATGTCCAGCCACCTGGATGAAGTCATTGCTGCTGTGAGCGTCAC  
 TTCTAAAAACAGGCTCTCAAATAAGCTGCTTCAGACAGCACTGTTCCAGCCCCCTCGAGAGAAACTCCAC  
 CTGTGTGAAGAGAGAGCGAAGTCTACTCCAGCATCCGAGAGTACAAGCAGGCCATCCAGGAGCTTGTGC  
 GCTGTGTGGCACTAACGAAAATTTGCTACGGGACTCGCATTGGAACTAGCAGAGGCATATGTGAATCT  
 GGCTCAGGTTACCTCCAGCTGAAAGGTTGTCACTACAAGCAAAGCAGCATGCAGAAAAAGCCAAAGAA  
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 TGAGAGACTTTCCAAGGAGATGTGCAATGTGGGAACATTATAAAGGAAGAGTGGATAGAAATCCAATCT  
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 CACTGAAAGCCAAGACAGCGTTCTGCACCAGTGTCCCCAGTACGTGACGCCAGGGAAGGCCAGGCACAG  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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**Protein Sequence:**

>RR214428 representing NM\_001025681  
 Red=Cloning site Green=Tags(s)

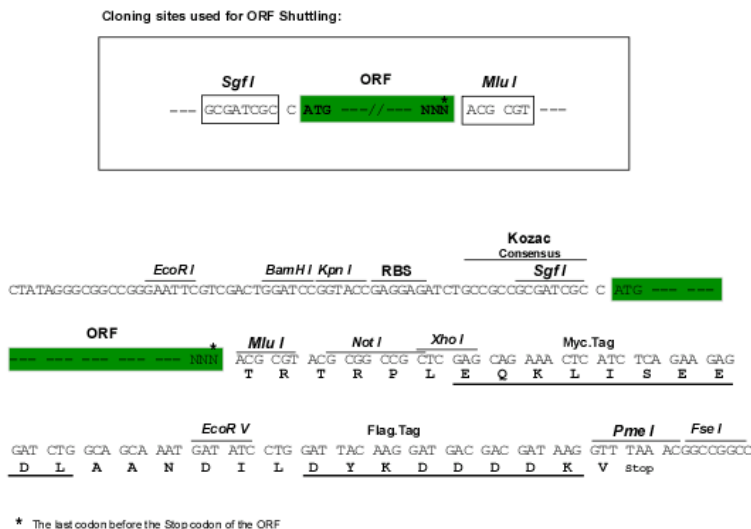
MAVTKKRKAADDKRVAPKDNAYENMQESQETHMSSHLDEVIAAVSVTSKNRLSNKLQLTALFQPPREKLH  
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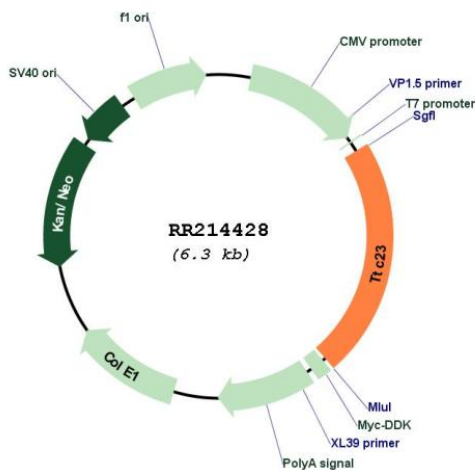
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_001025681

ORF Size:

1410 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\\_001025681.1](#), [NP\\_001020852.2](#)

**RefSeq Size:** 1948 bp

**RefSeq ORF:** 1413 bp

**Locus ID:** 308708

**UniProt ID:** [Q4V7F0](#)

**Cytogenetics:** 1q22

**MW:** 53 kDa

**Gene Summary:** Participates positively in the ciliary Hedgehog (Hh) signaling.[UniProtKB/Swiss-Prot Function]