

## Product datasheet for **RC222667**

### **TTC23 (NM\_001040656) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TTC23 (NM_001040656) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTC23
Synonyms:	HCC-8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC222667 representing NM\_001040656  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCAAGAAATCACAGAAACCCACATATCCAACCACCTAGATGAAGTTGTTGCTGCTGTTAGCATCACTC  
 ATAGAAAAGAAATTCCAAAACAAGCTGCTTCAGACAGCACTATTCCAGCCTCCTCGAGAGAAACTCCACCT  
 CTGTGAAGAGAAAAGCAAAGTCTATTCCAACAGTCATGAGTACAAAACAGGCCGTCATGAGCTTGTGCGT  
 TGCGTAGCACTGACAAGAATTTGCTATGGAGACTCACATTGAAACTAGCAGAGGCACATGTTAATCTGG  
 CTCAAGGCTACCTCCAGCTGAAAGGACTGCTACTGCAAGCAAAAACAACATGCAGAAAAAGCCAGACAAAT  
 CCTCGCCAACTCCATTGTGCCTCCCTATAGTGAGAATACAGATGTTTTCAAGTTTTCCATTGAGCTTTTC  
 CATACCATGGGCAGAGCTTTACTCTCCCTTCAAAAATTTAAGGAAGCTGCAGAGAATTTGACAAAAGCAG  
 AGAGACTTCAAAGGAGCTGCTACAATGTGAAGAATTATAAAGGAAGAATGGATAGAAATTGAAGCAGC  
 GATCAGATTATCATTGTCACAGGTGATCAAGGTCAGAAGAAGTCAAAGAAGCTTTGTCCCACTATCAA  
 GCAGCTTTGGAATATGTTGAGATCAGTAAAGGTGAAACAAGTCGTGAGTGTGTACCCATATTGAGAGAAT  
 TAGCAGGTGTAGAGCAAGCCCTGGGACTCCACGATGTATCCATCAACCCTTCTCCAGGCACATCTCAT  
 CATCCTGAGTAGAAGCCCTCTCAAGTGGAGGCAGCAGACTCGGCACACATCGTCGCCCATGCTGCTGTC  
 GCTTCAGGGAGACACGAGCACCATGATGTAGCTGAGCAGTATTTTCAAGAGAGCATGGCTCATCTTAAGG  
 ATTCTGAAGGGATGGGAAGAACCAATTTCTTTCAATTCAAGTGAATTTTGCCATTTTCTACAAATGAC  
 TGGAAAAAGAGAGACAACCTCGATCCTGAGAGAGTCCCTGGAAGCCAAAGTGAAGCATTGGCGAT  
 TTCAGTCCCGAGGTGGCAGAGACATACCGCTCCTGGGAGGAGCAGACCTGGCGCAGGGGAACCACAGTG  
 GGGCCCGCAAGAACTGAAGAAGTGTCTCCAGATCCAGACCTCTTATATGGACCCAGGCAAAAAGGAC  
 TCTGGCCACCCAGCAGGCCATGGGCATGCTGTCCACGGCCCAAGGTTGCTTCAAGCCAAAGGCAGGCA  
 TCAAAAAGCCAAAGTGGCCTTCTGCACCAGCATCCCTCAGGACACCCTGCTGGGAAGGCCCGCCCGCA  
 CAACAGCAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC222667 representing NM\_001040656  
 Red=Cloning site Green=Tags(s)

MQESQETHISNHLDEVVAVSITHRKKFQNKLLQTALFQPPREKLHLCEEKAKSYSNSHEYKQAVHELVR  
 CVALTRICYGDSHWKLAEAHVNLAQGYLQLKGLSLQAKQHAEKARQILANSIVPPYSENTDVFKFSIELF  
 HTMGRALLSLQKFKEAENLTKAERLSKELLQCGRIIKEEWIEIEARIRLSFAQVYQGQKSKEALSHYQ  
 AALEYVEISKGETSRECVPIRELAGEVALGLHDVSNHFLQAHLIILSRSPSQVEAADSAAHIVAAAV  
 ASGRHEHHDVAEQYFQESMAHLKDESEGMGRKFLSIQDEFCHFLQMTGQKERATSILRESLEAKVEAFGD  
 FSPEVAETRYRLLGGADLAQGNHSGARKLKKLQIQTLTYGPDQRKTLATQQAMGMLSTAPKVASKPRQA  
 SKAKVAFCTSIQDILLGKARPGTTAD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6485\\_a08.zip](https://cdn.origene.com/chromatograms/mk6485_a08.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001040656

**ORF Size:** 1341 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\\_001040656.1](#), [NP\\_001035746.1](#)

**RefSeq Size:** 3491 bp

**RefSeq ORF:** 1343 bp

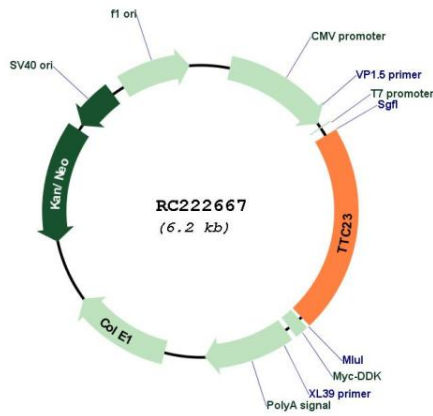
**Locus ID:** 64927

**Cytogenetics:** 15q26.3

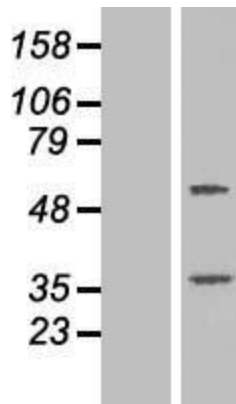
**MW:** 49.8 kDa

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

Product images:



Circular map for RC222667



Western blot validation of overexpression lysate (Cat# [LY421797]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222667 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).