

Product datasheet for **RC221615**

TTC23 (NM_001040657) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC23 (NM_001040657) 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:

>RC221615 representing NM_001040657
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAAGAAATCACAGAAACCCACATATCCAACCACCTAGATGAAGTTGTTGCTGCTGTTAGCATCACTC
 ATAGAAAAGAAATTCCAAAACAAGCTGCTTCAGACAGCACTATTCCAGCCTCCTCGAGAGAAACTCCACCT
 CTGTGAAGAGAAAAGCAAAGTCTATTCCAACAGTCATGAGTACAAAACAGGCCGTCATGAGCTTGTGCGT
 TGCGTAGCACTGACAAGAATTTGCTATGGAGACTCACATTGAAAAGTAGCAGAGGCACATGTTAATCTGG
 CTCAAGGCTACCTCCAGCTGAAAGGACTGCTACTGCAAGCAAAAACAACATGCAGAAAAAGCCAGACAAAT
 CCTCGCCAACTCCATTGTGCCTCCCTATAGTGAGAATACAGATGTTTTCAAGTTTTCCATTGAGCTTTTC
 CATACCATGGGCAGAGCTTTACTCTCCCTTCAAAAATTTAAGGAAGCTGCAGAGAATTTGACAAAAGCAG
 AGAGACTTCAAAGGAGCTGCTACAATGTGAAGAATTATAAAGGAAGAATGGATAGAAAATTGAAGCAGC
 GATCAGATTATCATTGTCACAGGTGATCAAGGTCAGAAGAAGTCAAAGAAGCTTTGTCCCACTATCAA
 GCAGCTTTGGAATATGTTGAGATCAGTAAAGGTGAAACAAGTCGTGAGTGTGTACCCATATTGAGAGAAT
 TAGCAGGTGTAGAGCAAGCCCTGGGACTCCACGATGTATCCATCAACCACCTTCTCCAGGCACATCTCAT
 CATCCTGAGTAGAAGCCCTCTCAAGTGGAGGCAGCAGACTCGGCACACATCGTCGCCCATGCTGCTGTC
 GCTTCAGGGAGACACGAGCACCATGATGTAGCTGAGCAGTATTTTCAAGAGAGCATGGCTCATCTTAAGG
 ATTCTGAAGGGATGGGAAGAACCAATTTCTTTCAATTCAAGTGAATTTTGCCATTTTCTACAAATGAC
 TGGACAAAAGAGAGAGCAACCTCGATCCTGAGAGAGTCCCTGGAAGCCAAAGTGAAGCATTGCGCAT
 TTCAGTCCCGAGGTGGCAGAGACATACCGCTCCTGGGAGGAGCAGACCTGGCGCAGGGGAACACAGTG
 GGGCCCGCAAGAAACTGAAGAAGTGTCTCCAGATCCAGACCCCTTATATGGACCCAGGACAAAAGGAC
 TCTGGCCACCCAGCAGGCCATGGGCATGCTGTCCACGGCCCAAGGTTGCTTCAAGCCAAAGGCAGGCA
 TCAAAAAGCCAAAGTGGCCTTCTGCACCAGCATCCCTCAGGACACCCTGCTGGGAAGGCCCGCCCGGCA
 CAACAGCAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221615 representing NM_001040657
 Red=Cloning site Green=Tags(s)

MQESQETHISNHLDEVVAAVSITHRKKFQNKLLQTALFQPPREKLHLCEEKAKSYSNSHEYKQAVHELVR
 CVALTRICYGDSHWKLAEAHVNLAQGYLQLKGLSLQAKQHAEKARQILANSIVPPYSENTDVFKFSIELF
 HTMGRALLSLQKFKEAENLTKAERLSKELLQCGRIIKEEWIEIEARIRLSFAQVYQGQKSKEALSHYQ
 AALEYVEISKGETSRECVPIRELAGEQALGLHDVSIHFLQAHLIILSRSPSQVEAADSAAHIVAAAV
 ASGRHEHHDVAEQYFQESMAHLKDESEGMGRKFLSIQDEFCHFLQMTGQKERATSILRESLEAKVEAFGD
 FSPEVAETRYRLLGGADLAQGNHSGARKLKKLQIQTLTYGPDQRKTLATQQAMGMLSTAPKVASKPRQA
 SKAKVAFCTSIQDILLGKARPGTTAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6485_a08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001040657

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_001040657.1](#), [NP_001035747.1](#)

RefSeq Size: 3440 bp

RefSeq ORF: 1343 bp

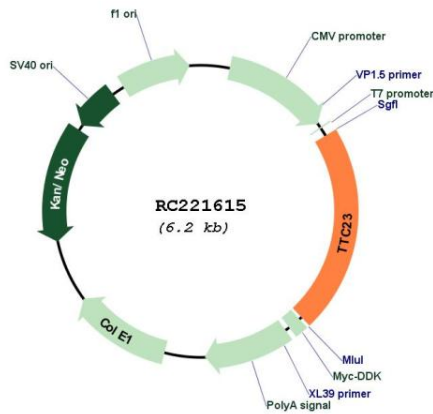
Locus ID: 64927

Cytogenetics: 15q26.3

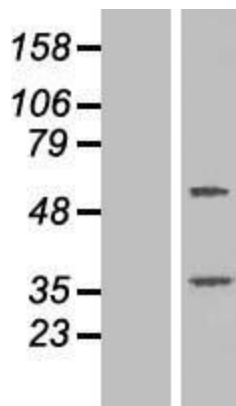
MW: 49.8 kDa

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

Product images:



Circular map for RC221615



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]).