

Product datasheet for **MR217586**

Ttc23 (NM_001168476) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ttc23 (NM_001168476) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ttc23
Synonyms: 1600012K10Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR217586 representing NM_001168476
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCAATGTGGGAACATTGTAAGGAAGAGTGGATAGAAATCCAGTCTCGAATCAAGCTGTCGTTTG
CACAGTTGTATCAAGGTGAGAAGAGATCAAAGAAGCTTTCCCGTTCTATCAAAGGCTTTGGAATATAC
CGAGATCACCAAAGATGAAAAAGTCTTGAGTGTGTACAAGTCTGAGGGAAGTGGCAGGTGGAGCAA
GCCCTAGGACTCTACGCCGCCCATCAGTCATTTCTCACGGGCACATCTCATCTCTGAGTAAAGATC
CCTCCCCGGAGGAGGCTGCAGACTCTGCACACTTCATCGCCCGGGCTGCTGCTTCTGGGATGCACGA
CCACCGTGATGTGGCCGAGAAATACTTTTCAGGAAAGCATGACTTCTATCAAGGATCCGAAGGAGCGGAA
AGAGCCAAGTTCCCTTTGATTCAAGATGAGTTTTGCAAGTTTTCTGCAAACCACCGGACAAAAAGAAAGAG
CGGCCATGATCCTGAGAGAGTCCCTGGAAGCAAAGTAGGAGCATTGGTGACTTCAGTCTGAGGTGGC
AGAAACGTACCGGGCCCTGGGCAGGGCAGACCTGGCGCAGGGAACAACAGTGGAGCGTACGCGAAGCTA
AAGAAGTGTGCCAGATTGAGACGTTCTTGATGGATCACAGGACAAGAAGACCTGGCCACCCAGCACA
CCATAGACACACTGTCCAAGATCTCCGAGGCTGCCGGGAAGTCAAGGCAATCGGTGAAAGCCAAAGTAGC
ATTCTGCACCAGTGCCCCCAGTACGGCATGCCAGGGAAGGGCAGGCACAGTGTAGCAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR217586 representing NM_001168476
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MLQCGNIVKEEWIEIQSRIKLSFAQLYQGQKRSKEAFPYQKALEYTEITKDEKSLECVQLRELAGEVQ
 ALGLYAAAISHFSRAHLIILSKDPSPEEAADSAHFIAAAAAAGMHDHRDVAEKYFQESMTSIKDEGAE
 RAKFLSIQDEFCSFLQTTGQKERAAMILRESLEAKVGAFGDF SPEVAETYRALGRADLAQGNNSGAYAKL
 KKCQVIETFLYGSQDKKTLATQHTIDTLSKISEAAGKSRQSVKAKVAFCTSAPQYGMPPGKGRHSVAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001168476

ORF Size: 831 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_001168476.1](#), [NP_001161948.1](#)

RefSeq Size: 2031 bp

RefSeq ORF: 834 bp

Locus ID: 67009

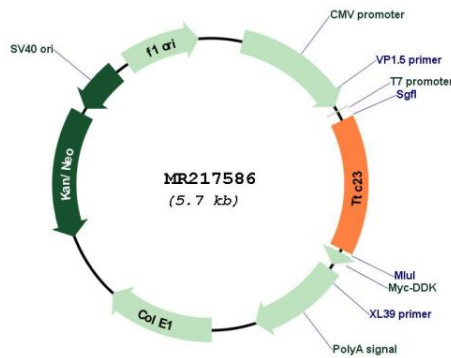
UniProt ID: [Q8CHY7](#)

Cytogenetics: 7 C

MW: 31 kDa

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

Product images:



Circular map for MR217586