

Product datasheet for **MR207817**

Ttc23 (NM_025905) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc23 (NM_025905) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MR207817 representing NM_025905
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGGAGTCCCAGGACCCACATGTCCAGCCACCTAGACGAAGTCGTTGCTGCTGTACGCGTCACTT
 CTA AAAACAGGATCCCGAATAAGCTGCTTCAGACAGCACTGTTCCAGCCCCTCGAGAGAACTCCACCT
 GTGTGAGGAGAGAGCAAAGTCTACTCCAGCAGCCGAGAGTACAAACAGGCCATCCAGGAGCTTGTGCGC
 TGTGTGGCACTAACAAGAATTTGCTATGGCGACTGGCACTGAAACTAGCGGAGGCGTATGTTAATCTGG
 CTCAGGGTTACCTGCAGCTGAAAGGTTGTCACTACAAGCAAAGCAGCATGCAGAGAAAGCCAAGGAGAT
 CCTGGCCAACTCCATCGAGAGTCCCTGTCAACAACAAACAGATATCTTCAAGTGTCCCTGGAGCTTTTC
 TATACCTGGGGAGAGCGCTGCTCTCCCTTCAAAAATTTAAAGACGCCTCAGAGAACTTGATAAAAGCAG
 AGAGACTTTCCAAGGAGATGCTGCAATGTGGGAACATTGTAAGGAAGAGTGGATAGAAATCCAGTCTCG
 AATCAAGCTGTCGTTTGACAGTTGTATCAAGGTCAGAAGAGATCAAAGAAGCTTTCCCGTTCTATCAA
 AAGGCTTTTGGAATATACCGAGATCACCAAAGATGAAAAAGTCTTGAGTGTGTACAAGTCCCTGAGGGAAC
 TGGCAGGTGTGGAGCAAGCCCTAGGACTCTACGCCGCCGCCATCAGTCATTTCTCACGGGACCGACTGCC
 AACTCCCCAGCCTTGTCCTTGGGACACAAGTGTGCTGCCCCCTCTCCGTTCTTGTACCAGTCTTAAT
 GTCACATGGAGACCCCTTACAGCAGTCAGGTGGATGAGGAAGAGGCACATCTCATCTCCTGAGTAAAG
 ATCCCTCCCCGGAGGAGGCTGCAGACTTCGACACTTCATCGCCCCGGGCTGCTGCTGCTTCTGGGATGCA
 CGACCACCGTGATGTGGCCGAGAAATACTTTAGGAAAGCATGACTTCTATCAAGGATCCGAAGGAGCG
 GAAAGAGCCAAGTTCCTTTCGATTCAAGATGAGTTTTGCAGTTTTCTGCAAACCACCGGACAAAAAGAAA
 GAGCGGCCATGATCCTGAGAGAGTCCCTGGAAGCCAAAGTAGGAGCATTGGTGACTTCAGTCTGAGGT
 GGCAGAAACGTACCGGGCCCTGGGCAGGGCAGACCTGGCCGAGGAAACACAGTGGAGCGTACCGGAAG
 CTAAGAAGTGTGTCCAGATTGAGACGTTCTTGTATGGATCACAGGACAAGAAGCCCTGGCCACCCAGC
 ACACCATAGACACTGTCCAAGATCTCCGAGGCTGCCGGGAAGTCAAGGCAATCGGTGAAAGCCAAAGT
 AGCATTCTGCACCAGTGCSCCCAGTACGGCATGCCAGGGAAGGGCAGGCACAGTGTAGCAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207817 representing NM_025905
 Red=Cloning site Green=Tags(s)

MQESQDTHMSSHLDEVVAHSVTSKNRIPNKLQALFQPPREKLHLCEERAKSYSSSREYKQAIQELVR
 CVALTRICYGDWHWKLAEAYVNLAQGYLQKGLSLQAKQHAEKAKEILANSIESPCHNKTDIFKCSLELF
 YTLGRALLSLQKFKDASENLKAERLSKEMLCGNIVKEEWIEIQSRIKLSFAQLYQGQKRSKEAFPFYQ
 KALEYTEITKDEKSLECVQLRELAGEQALGLYAAASHFSRDRLPTPQPCPLGHKCCCPSPFLSPVLN
 VTWRPFYSSQVDEEEAHLIILSKDPSPEEAADSAHFIAAAAAAGMHDHRDVAEKYFQESMTSIKDSEGA
 ERAKFLSIQDEFCSFLQTTGQKERAAMILRESLEAKVGFDFGDFPEVAETRYALGRADLAQGNNSGAYAK
 LKKCVQIETFLYGSQDKKTLATQHTIDTLKISEAAGSRQSVKAKVAFCTAPQYGMPPGKGRHSVAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9077_e11.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_025905

ORF Size: 1464 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_025905.3](#), [NP_080181.2](#)
RefSeq Size: 2357 bp

RefSeq ORF: 1467 bp

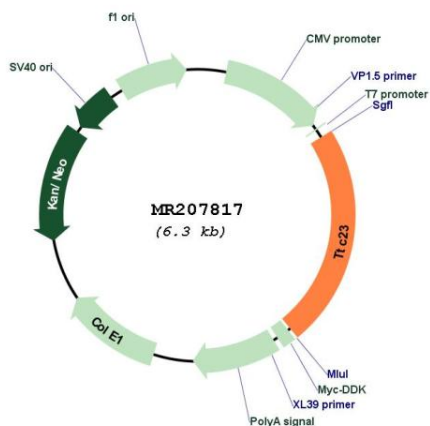
Locus ID: 67009

UniProt ID: [Q8CHY7](#)
Cytogenetics: 7 C

MW: 55.1 kDa

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

Product images:



Circular map for MR207817