

Product datasheet for **MR216008**

Ttc23 (NM_001168475) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc23 (NM_001168475) 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:

>MR216008 representing NM_001168475
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGGAGTCCCAGGACCCACATGTCCAGCCACCTAGACGAAGTCGTTGCTGCTGTACGCGTCACTT
 CTA AAAACAGGATCCCGAATAAGCTGCTTCAGACAGCACTGTTCCAGCCCTCGAGAGAACTCCACCT
 GTGTGAGGAGAGAGCAAAGTCTACTCCAGCAGCCGAGAGTACAAACAGGCCATCCAGGAGCTTGTGCGC
 TGTGTGGCACTAACAAGAATTTGCTATGGCGACTGGCACTGAAACTAGCGGAGGCGTATGTTAATCTGG
 CTCAGGGTTACCTGCAGCTGAAAGGTTGTCACTACAAGCAAAGCAGCATGCAGAGAAAGCCAAGGAGAT
 CCTGGCCAACTCCATCGAGAGTCCCTGTCAACAACAAACAGATATCTTCAAGTGTCCCTGGAGCTTTTC
 TATACCTGGGGAGAGCGCTGCTCTCCCTTCAAAAATTTAAAGACGCCTCAGAGAACTTGATAAAAGCAG
 AGAGACTTTCCAAGGAGATGCTGCAATGTGGGAACATTGTAAGGAAGAGTGGATAGAAATCCAGTCTCG
 AATCAAGCTGTCGTTTGACAGTTGTATCAAGGTGAGAAGAGATCAAAGAAGCTTTCCCGTTCTATCAA
 AAGGCTTTGGAATATACCGAGATCACCAAAGATGAAAAAGTCTTGAGTGTGTACAAGTCCCTGAGGGAAC
 TGGCAGGTGTGGAGCAAGCCCTAGGACTCTACGCCGCCCATCAGTCATTTCTACGGGCACATCTCAT
 CATCCTGAGTAAAGATCCCTCCCGGAGGAGGCTGCAGACTCTGCACACTTCATCGCCCGGGCTGTGCT
 GCTTCTGGGATGCACGACCACCGTGTGTGGCCGAGAAATACTTTGAGAAAGCATGACTTCTATCAAGG
 ATTCGGAAGGAGCGGAAAGAGCCAAGTTCCTTTGATTCAAGATGAGTTTTGAGTTTTCTGCAACCAC
 CGGACAAAAGAAAGAGCGGCCATGATCCTGAGAGAGTCCCTGGAAGCCAAAGTAGGAGCATTGGTGAC
 TTCAGTCTGAGGTGGCAGAAACGTACCGGGCCCTGGCAGGGCAGACCTGGCGCAGGGAACAACAGTG
 GAGCGTACGCGAAGCTAAAGAAGTGTGCCAGATTGAGACGTTCTGTATGGATCACAGGACAAGAAGAG
 CCTGGCCACCCAGCACACCATAGACACACTGTCCAAGATCTCCGAGGCTGCCGGGAAGTCAAGGCAATCG
 GTGAAAGCCAAAGTAGCATTCTGCACCAGTGCCCCCAGTACGGCATGCCAGGGAAGGGCAGGCACAGTG
 TAGCAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216008 representing NM_001168475
 Red=Cloning site Green=Tags(s)

MQESQDTHMSSHLDEVVAAVSVTSKNRIPNKLQALFQPPREKLHLCEERAKSYSSSREYKQAIQELVR
 CVALTRICYGDWHWKLAEAYVNLAQGYLQLKGLSLQAKQHAEKAKEILANSIESPCHNKTDIFKCSLELF
 YTLGRALLSLQFKDASENLIKAERLSKEMLQCGNIVKEEWIEIQSRIKLSFAQLYQGQKRSKEAFPYQ
 KALEYTEITKDEKSLQVLRRELAGEQALGLYAAISHFSRAHLIILSKDPSPEEAADS AHFIARAAA
 ASGMHHRDVAEKYFQESMTSIKDSEGAERAKFLSIQDEFCSFLTQTGQKERAAMILRESLEAKVGFAD
 FSPEVAETYRALGRADLAQGNNSGAYAKLKKCVQIETFLYGSQDKKTLATQHTIDTLSKISEAAGKSRQS
 VKAKVAFCTSA PQYGM PGKGRHSVAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001168475

ORF Size: 1338 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_001168475.1](#), [NP_001161947.1](#)

RefSeq Size: 2231 bp

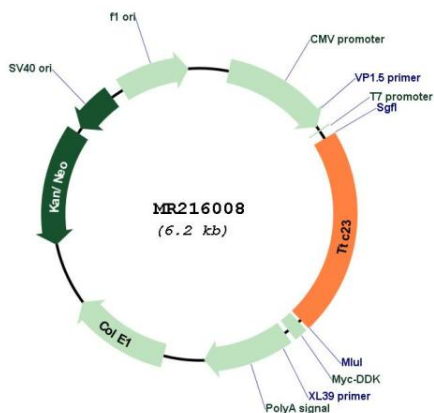
RefSeq ORF: 1341 bp

Locus ID: 67009

UniProt ID: [Q8CHY7](#)

Cytogenetics: 7 C
 MW: 50.3 kDa
 Gene Summary: Participates positively in the ciliary Hedgehog (Hh) signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216008