

Product datasheet for **MC215997**

Ttc23 (NM_001168475) Mouse Untagged Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Ttc23 (NM_001168475) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ttc23 |
| Synonyms: | 1600012K10Rik |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC215997 representing NM_001168475
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGGAGTCCCAGGACACCCACATGTCCAGCCACCTAGACGAAGTCGTTGCTGCTGTACGCGTCACTT
CTAAAAACAGGATCCCGAATAAGCTGCTTCAGACAGCACTGTTCCAGCCCCTCGAGAGAACTCCACCT
GTGTGAGGAGAGACAAAGTCTACTCCAGCAGCCGAGAGTACAAACAGGCCATCCAGGAGCTTGTGCGC
TGTGTGGCACTAACAAGAATTTGCTATGGCGACTGGCACTGGAACTAGCGGAGGCGTATGTTAATCTGG
CTCAGGGTTACCTGCAGCTGAAAGGGTTGTCACTACAAGCAAAGCAGCATGCAGAGAAAGCCAAGGAGAT
CCTGGCCAACTCCATCGAGAGTCCCTGTCAACAACAAACAGATATCTTCAAGTGTCCCTGGAGCTTTTC
TATACCTGGGGAGAGCGCTGCTCTCCCTTCAAAAATTTAAAGACGCCTCAGAGAACTTGATAAAAGCAG
AGAGACTTTCCAAGGAGATGCTGCAATGTGGGAACATTGTAAGGAAGAGTGGATAGAAATCCAGTCTCG
AATCAAGCTGTCGTTTGCACAGTTGTATCAAGGTCAGAAGAGATCAAAGAAGCTTTCCCGTTCTATCAA
AAGGCTTTGGAATATACCGAGATCACCAAAGATGAAAAAGTCTTGAGTGTGTACAAGTCCCTGAGGGAAC
TGGCAGGTGTGGAGCAAGCCCTAGGACTCTACGCCGCCGCATCAGTCATTTCTACGGGCACATCTCAT
CATCCTGAGTAAAGATCCCTCCCGGAGGAGGCTGCAGACTCTGCACACTTCATCGCCCGGGCTGCTGCT
GCTTCTGGGATGCACGACCACCGTGTGTGGCCGAGAAATACTTTTCAGGAAAGCATGACTTCTATCAAGG
ATTCGGAAGGAGCGGAAAGAGCCAAGTTCCTTTTCGATTCAAGATGAGTTTTGCAGTTTTCTGCAACCAC
CGGACAAAAGAAAGAGCGGCCATGATCCTGAGAGAGTCCCTGGAAGCCAAAGTAGGAGCATTGGTGAC
TTCAGTCTGAGGTGGCAGAAACGTACCGGGCCCTGGGCAGGGCAGACCTGGCGCAGGGAACAACAGTG
GAGCGTACGCGAAGCTAAAGAAGTGTGTCCAGATTGAGACGTTCTTGTATGGATCACAGGACAAGAAGAC
CCTGGCCACCCAGCACACCATAGACACACTGTCCAAGATCTCCGAGGCTGCCGGGAAGTCAAGGCAATCG
GTGAAAGCCAAAGTAGCATTCTGCACCAGTGCCCCCAGTACGGCATGCCAGGGAAGGGCAGGCACAGTG
TAGCAGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001168475

Insert Size: 1341 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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

Gene Summary: Participates positively in the ciliary Hedgehog (Hh) signaling.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Variants 2 and 5 both encode the same isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.