

Product datasheet for **MG216008**

Ttc23 (NM_001168475) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc23 (NM_001168475) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ttc23
Synonyms:	1600012K10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG216008 representing NM_001168475
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGGAGTCCCAGGACACCCACATGTCCAGCCACCTAGACGAAGTCGTTGCTGCTGTACGCGTCACTT
 CTA AAAACAGGATCCCGAATAAGCTGCTTCAGACAGCACTGTTCCAGCCCCTCGAGAGAACTCCACCT
 GTGTGAGGAGAGAGCAAAGTCTACTCCAGCAGCCGAGAGTACAAACAGGCCATCCAGGAGCTTGTGCGC
 TGTGTGGCACTAACAAGAATTTGCTATGGCGACTGGCACTGGAACTAGCGGAGGCGTATGTTAATCTGG
 CTCAGGGTTACCTGCAGCTGAAAGGTTGTCACTACAAGCAAAGCAGCATGCAGAGAAAGCCAAGGAGAT
 CCTGGCCAACTCCATCGAGAGTCCCTGTCAACAACAAACAGATATCTTCAAGTGTCCCTGGAGCTTTTC
 TATACCTGGGGAGAGCGCTGCTCTCCCTTCAAAAATTTAAAGACGCCTCAGAGAACTTGATAAAAGCAG
 AGAGACTTTCCAAGGAGATGCTGCAATGTGGGAACATTGTAAGGAAGAGTGGATAGAAATCCAGTCTCG
 AATCAAGCTGTCGTTTGACAGTTGTATCAAGGTCAGAAGAGATCAAAGAAGCTTTCCCGTTCTATCAA
 AAGGCTTTGGAATATACCGAGATCACCAAAGATGAAAAAGTCTTGAGTGTGTACAAGTCCCTGAGGGAAC
 TGGCAGGTGTGGAGCAAGCCCTAGGACTCTACGCCGCCCATCAGTCATTTCTACGGGCACATCTCAT
 CATCCTGAGTAAAGATCCCTCCCGGAGGAGGCTGCAGACTCTGCACACTTCATCGCCCGGGCTGTGCT
 GCTTCTGGGATGCACGACCACCGTGTGTGGCCGAGAAATACTTTGAGGAAAGCATGACTTCTATCAAGG
 ATTCGGAAGGAGCGGAAAGAGCCAAGTTCTTTGATTCAAGATGAGTTTTGAGTTTTCTGCAAACCAC
 CGGACAAAAGAAAGAGCGGCCATGATCCTGAGAGAGTCCCTGGAAGCCAAAGTAGGAGCATTGGTGAC
 TTCAGTCTGAGGTGGCAGAAACGTACCGGCCCTGGGCAGGGCAGACCTGGCGCAGGGAACAACAGTG
 GAGCGTACGCGAAGCTAAAGAAGTGTCCAGATTGAGACGTTCTTGTATGGATCACAGGACAAGAAGAC
 CCTGGCCACCCAGCACACCATAGACACACTGTCCAAGATCTCCGAGGCTGCCGGGAAGTCAAGGCAATCG
 GTGAAAGCCAAAGTAGCATTCTGCACCAGTGCCCCCAGTACGGCATGCCAGGGAAGGGCAGGCACAGTG
 TAGCAGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG216008 representing NM_001168475
 Red=Cloning site Green=Tags(s)

MQESQDTHMSSHLDEVVAAVSVTSKNRIPNKLQLTALFQPPREKLHLCEERAKSYSSSREYKQAIQELVR
 CVALTRICYGDWHWKLAEAYVNLAQGYLQKGLSLQAKQHAEKAKEILANSIESPCHNKTDIFKCSLELF
 YTLGRALLSLQKFKDASENLKAERLSKEMLCGNIVKEEWIEIQSRIKLSFAQLYQGQKRSKEAFPYQ
 KALEYTEITKDEKSLECVQLRELAGEQALGLYAAISHFSRAHLIILSKDPSPEEAADSAHFIAAAA
 ASGMHDHRDVAEKYFQESMTSIKDSEGAERAKFLSIQDEFCSFLQTTGQKERAAMILRESLEAKVGFAD
 FSPEVAETYRALGRADLAQGNNSGAYAKLKKCVQIETFLYGSQDKKTLATQHTIDTLSKISEAAGKSRQS
 VKAKVAFCTSAPQYGMPEGKGRHSVAD

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-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

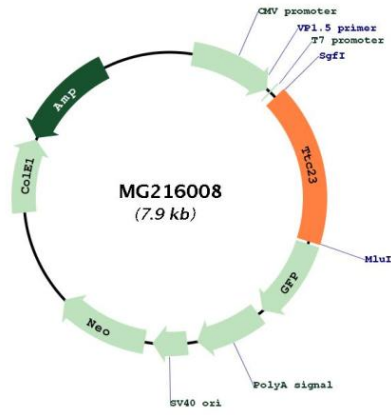
Locus ID: 67009

UniProt ID: [Q8CHY7](#)

Cytogenetics: 7 C

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

Product images:



Circular map for MG216008