

Product datasheet for **RG220447**

TTC23 (NM_001040659) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | TTC23 (NM_001040659) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | TTC23 |
| Synonyms: | HCC-8 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RG220447 representing NM_001040659
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAAGAAATCACAGAAACCCACATATCCAACCACCTAGATGAAGTTGTTGCTGCTGTTAGCATCACTC
 ATAGAAAAGAAAGTTCCAAAACAAGCTGCTTCAGACAGCACTATTCCAGCCTCCTCGAGAGAAAACCTCCACCT
 CTGTGAAGAGAAAAGCAAAGTCTATTCCAACAGTCATGAGTACAAAACAGGCCGCTCCATGAGCTTGTGCGT
 TGCGTAGCACTGACAAGAATTTGCTATGGAGACTCACATTGAAAAGTACGAGAGGCACATGTTAATCTGG
 CTCAAGGCTACCTCCAGCTGAAAGGACTGCTACTGCAAGCAAAAACAACATGCAGAAAAAGCCAGACAAAAT
 CCTCGCCAACTCCATTGTGCCTCCCTATAGTGAGAATACAGATGTTTTCAAGTTTTCCATTGAGCTTTTC
 CATACCATGGGCAGAGCTTTACTCTCCCTTCAAAAATTTAAGGAAGCTGCAGAGAATTTGACAAAAGCAG
 AGAGACTTCAAAGGAGCTGCTACAATGTGAAGAATTATAAAGGAAGAATGGATAGAAAATTGAAGCAGC
 GATCAGATTATCATTGTCACAGGTGATCAAGGTCAGAAGAAGTCAAAGAAGCTTTGTCCCACTATCAA
 GCAGCTTTGGAATATGTTGAGATCAGTAAAGGTGAAACAAGTCGTGAGTGTGTACCCATATTGAGAGAAT
 TAGCAGGTGTAGAGCAAGCCCTGGGACTCCACGATGTATCCATCAACCACCTTCTCCAGGCACATCTTAT
 CATCCTGAGTAGAAGCCCTCTCAAGTGGAGGCAGCAGACTCGGCACACATCGTCGCCCATGCTGCTGTC
 GCTTCAGGGAGACACGAGCACCATGATGTAGCTGAGCAGTATTTTCAAGAGAGCATGGCTCATCTTAAGG
 ATTCTGAAGGGATGGGAAGAACCAATTTCTTTCAATTCAAGTGAATTTTGCCATTTTCTACAAATGAC
 TGGACAAAAGAGAGAGCAACCTCGATCCTGAGAGAGTCCCTGGAAGCCAAAGTGAAGCATTGGCGAT
 TTCAGTCCCGAGGTGGCAGAGACATACCGGCTCCTGGGAGGAGCAGACCTGGCGCAGGGGAACACAGTG
 GGGCCCGCAAGAACTGAAGAAGTGTCTCCAGATCCAGACCCCTTATATGGACCGCAGGACAAAAGGAC
 TCTGGCCACCCAGCAGGCCATGGGCATGCTGTCCACGGCCCCAAGGTTGCTTGAAGCCAAAGGCAGGCA
 TCAAAAAGCCAAAGTGGCCTTCTGCACCAGCATCCCTCAGGACACCCTGCTGGGAAGGCCCGGCCGGCA
 CAACAGCAGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG220447 representing NM_001040659
 Red=Cloning site Green=Tags(s)

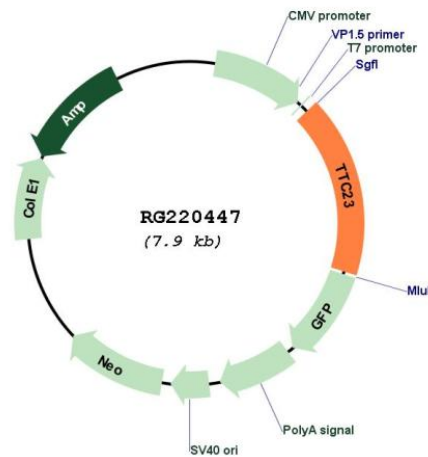
MQESQETHISNHLDEVVAAVSITHRKKFQNKLLQTALFQPPREKLHLCEEKAKSYSNSHEYKQAVHELVR
 CVALTRICYGDShwKLAEAHVNLAQGYLQLKGLSLQAKQHAEKARQILANSIVPPYSENTDVFKFSIELF
 HTMGRALLSLQKFKEAENLTKAERLSKELLQCGRIIKEEWIEIEARIRLSFAQVYQGQKSKEALSHYQ
 AALEYVEISKGETSRECVPIRELAGVEQALGLHDVSIHFLQAHLIILSRSPSQVEAADS AHIVAAV
 ASGRHEHHDVAEQYFQESMAHLKDSEGMRGRTKFLSIQDEFCHFLQMTGQKERATSILRESLEAKVEAFGD
 FSPEVAETRYRLGGADLAQGNHSGARKLKKLQIQTLTYGPQDKRTLATQQAMGMLSTAPKVASKPRQA
 SKAKVAFCTSIPODILLGKARPGTTAD

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001040659

ORF Size: 1341 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.

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| 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: | <ol style="list-style-type: none">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: | <u>NM_001040659.1, NP_001035749.1</u> |
| RefSeq Size: | 3245 bp |
| RefSeq ORF: | 1343 bp |
| Locus ID: | 64927 |
| Cytogenetics: | 15q26.3 |
| Gene Summary: | Participates positively in the ciliary Hedgehog (Hh) signaling.[UniProtKB/Swiss-Prot Function] |