

## Product datasheet for **RG238287**

### TTC23 (NM\_001288616) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TTC23 (NM_001288616) 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)
ORF Nucleotide Sequence:	>RG238287 representing NM_001288616. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCAAGAATCACAGGAAACCCACATATCCAACCACCTAGATGAAGTTGTTGCTGCTGTTAGCATCACT
CATAGAAAAGAAGTTCCAAAACAAGCTGCTTCAGACAGCACTATTCAGCCCTCCTCGAGAGAACTCCAC
CTCTGTGAAGAGAAAGCAAAGTCTATTCCAACAGTCATGAGTACAAACAGGCCGTCATGAGCTTGTG
CGTTGCGTAGCACTGACAAGAATTTGCTATGGAGACTCACATTGGAAACTAGCAGAGGCACATGTTAAT
CTGGCTCAAGGCTACCTCCAGCTGAAAGGACTGTCAGTCAAGCAAAACAACATGCAGAAAAAGCCAGA
CAAATCCTCGCCAACTCCATTGTGCTCCCTATAGTGAGAATACAGATGTTTTCAAGTTTTCCATTGAG
CTTTTCCATACCATGGGCAGAGCTTTACTCTCCCTTCAAAAATTTAAGGAAGCTGCAGAGAAATTTGACA
AAAGCAGAGAGACTTTCAAAGGAGCTGCTACAATGTGGAAGAATTATAAAGGAAGAATGGATAGAAATT
GAAGCACGGATCAGATTATCATTGACACAGGTGTATCAAGGTGAGAAAGTCAAAGAAGCTTTGTCC
CACTATCAAGCAGCTTTGGAATATGTTGAGATCAGTAAAGGTGAAACAAGTCGTGAGTGTGTACCCATA
TTGAGAGAATTAGCAGGTGTAGAGCAAGCCCTGGGACTCCACGATGTATCCATCAACCCTTCTCCAG
GCACATCTCATCTCTGAGTAGAAGCCCTCTCAAGTGGAGGCAGCAGACTCGGCACACATCGTCGCC
CATGCTGCTGTCGCTTCAGGGAGACACGAGCACCATGATGTAGCTGAGCAGTATTTTCAAGAGAGCATG
GCTCATCTTAAGGATTCTGAAGGATGGGAAGAACCAATTTCTTTCAATTCAAGATGAATTTTGCCAT
TTTCTACAAATGACTGGACAAAAAGAGAGCAACCTCGATCCTGAGAGAGTCCCTGGAAGCCAAAGTG
GAAGCATTGCGGATTTAGTCCCGAGGTGGCAGAGACATACCGCTCCTGGGAGGAGCAGACCTGGCG
CAGGGGAACACAGTGGGCCCCGAAGAACTGAAGAAGTGTCTCCAGATCCAGACCCTCTTATATGGA
CCGCAGGACAAAAGGACTCTGGCCACCCAGCAGGCCATGGGCAATGCTGTCCACGGCCCCCAAGTTGCT
TCGAAGCCAAGGCAGGCATCAAAGCCAAAGTGGCCTTCTGCACCAGCATCCCTCAGGACACCCTGCTG
GGGAAGGCCCGCCCGGCACAACAGCAGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG238287  
 Blue=ORF Red=Cloning site Green=Tag(s)

MQESQETHISNHLDEVVAAVSITHRKKFQNKLLQTALFQPPREKLHLCEEKAKSYSNSHEYKQAVHELV  
 RCVALTRICYGDSHWKLAEAHVNLAQGYLQLKGLSLQAKQHAEKARQILANSIVPPYSENTDVFKFSIE  
 LFHTMGRALLSLQKFKEAENLTKAERLSKELLQCGRIIKEEWIEI EARIRLSFAQVYQGQKKSKEALS  
 HYQAAL EYVEISKGETSRECVPI LREL AGVEQALGLHDVSI NHFLQAHL IILSRSPSQVEAADS AHIVA  
 HAAVASGRHEHHDVAEQYFQESMAHLKDSEGMGR TKFLS IQDEFCHFLQMTGQKERATSILRESLEAKV  
 EAFGDFSPEVAETYRLLGGADLAQGNHSGARKLKKCLQIQTLLYGPQDKRTLATQQAMGMLSTAPKVA  
 SKPRQASKAKVAFCTSI PQDTLLGKARPGTTAD  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001288616

**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.

**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).

**RefSeq:** [NM\\_001288616.1](#), [NP\\_001275545.1](#)

RefSeq Size: 3324 bp

RefSeq ORF: 1344 bp

Locus ID: 64927

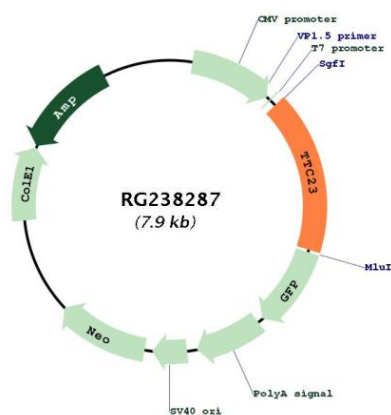
UniProt ID: [Q5W5X9](#)

Cytogenetics: 15q26.3

MW: 50 kDa

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

**Product images:**



Circular map for RG238287