

Product datasheet for **RG205266**

TTC10 (IFT88) (NM_175605) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC10 (IFT88) (NM_175605) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TTC10
Synonyms:	D13S1056E; DAF19; hTg737; TG737; TTC10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG205266 representing NM_175605
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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 TGAGGATGATTTTGTGATGAAGAATTAGGAGATGATTTGCTTCCAGAA

ACGGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG205266 representing NM_175605
 Red=Cloning site Green=Tags(s)

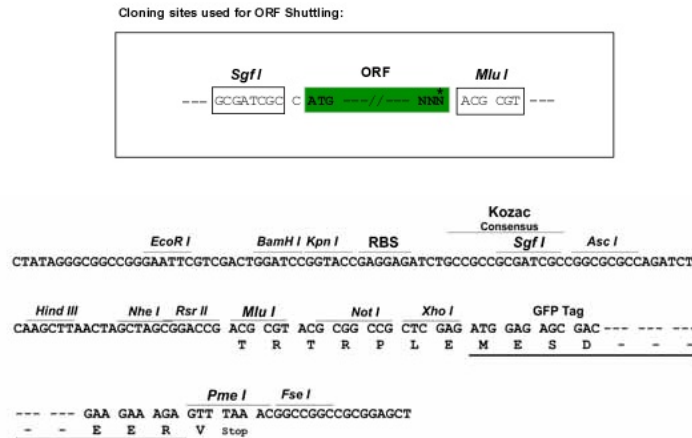
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LSARLRALPGTNEPYESSNKEIDASYVDPLGPQIERPKTAAKKRIDEDDFADEELGDDL LPE
  
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_175605

ORF Size: 2499 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_175605.3](#), [NP_783195.2](#)

RefSeq Size: 3171 bp

RefSeq ORF: 2502 bp

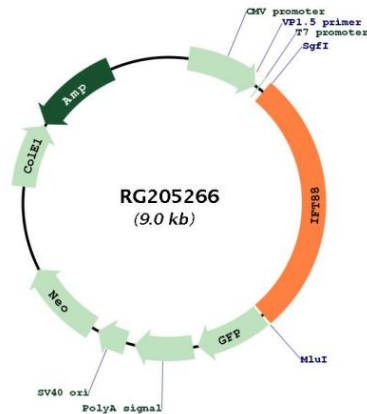
Locus ID: 8100

UniProt ID: [Q13099](#)

Cytogenetics: 13q12.11

Gene Summary: This gene encodes a member of the tetratrico peptide repeat (TPR) family. The encoded protein is involved in cilium biogenesis. Mutations of a similar gene in mouse can cause polycystic kidney disease. Several transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2017]

Product images:



Circular map for RG205266