

Product datasheet for **RG214282**

TTC10 (IFT88) (NM_006531) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC10 (IFT88) (NM_006531) 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)



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**ORF Nucleotide
Sequence:**

>RG214282 representing NM_006531
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAATTCACAAACACTAAGGTACAAATGATGCAAAATGTGCACCTGGCTCCAGAGACAGATGAAGATG
 ATCTTTATTCGGCTATAATGACTACAATCCAATCTATGATATCGAGGAATTGGAGAATGATGCAGCTTT
 TCAGCAAGCTGTGAGGACTAGTCATGGCAGAAAGACCTCCAATAACTGCTAAAATATCAAGCACGGCAGTT
 ACTAGACCTATAGCTACTGGATATGGGTCCAAGACATCTCTGGCATCATCAATAGGAAGACCAATGACAG
 GGGCTATTCAGGATGGAGTTACTAGACCCATGACAGCAGTGAGAGCAGCTGGTTTTACCAAAGCAGCTTT
 GAGAGGCTCTGCATTTGACCCCTTAGTCAGTCAAGGGGCCCTGCTTCCCTTTGGAAAGCAAGAAAAA
 GATAGCCAGAGGAAAAATAAGCAATTAGAGAAGGAAGTAAATGAGTTGGTAGAAGAAAGCTGTATTG
 CCAATAGTTGTGGAGACTTAAAAATGGCCTTAGAAAAGGCAAAAGATGCAGGAAGAAAAGAGAGAGTCT
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 TGGAGACCGAGAAAAATGAAGGAGGCATTCCAAAAATGATTACTGTTCCATTAGAAATGATGAAGAT
 AAATATATTTACCAAGTGATGATCCTCATACTAACTTAGTAAGTGAAGCTATAAAAAATGATCACCTCA
 GGCAAAATGGAACGTGAAAGGAAAGCCATAGCAGAAAAATATGTTATGACATCTGCAAAAATCATTGCTCC
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 CCTGTATTATATGGGAAAGGATTTGCACAAGCCAGCAGCTATGCAGATATAGCTGTGAACCTCTGATAGA
 TATAATCCAGCAGCTCTTACTAATAAAGGGAATACAGTTTTTGCAAATGGTATTATGAGAAGGCCGCTG
 AATTCTATAAAGAGGCTCTAAGAAATGATTCTTCTTGTACTGAAGCACTTATAATTTGGCCTTACCTA
 TGAGAACTAAATCGGCTAGATGAGGCTTTGGACTGTTTCTGAACTTCACGCAATCTACGAAACAGT
 GCCGAAGTTCTTACCAGATAGCAAATATATGAATTAATGGAAAATCCAGTCAAGCTATTGAATGGC
 TAATGCAGGTGGTCAGTGTATTCCAACCGATCCTCAAGTTTTATCTAAGCTAGGAGAATTATATGATCG
 TGGAGGAGATAAATCTCAAGCATTTCAATATTACTATGAGTCATATAGGTATTTCTTGTAAATATTGAA
 GTCATTGAGTGGCTTGGAGCCTATTACATTGACACCCAATTTGGGAAAAAGCTATTCAGTACTTTGAAA
 GAGCTTCTCTTATACAGCCTACACAAGTGAATGGCAGCTGATGGTAGCTAGTTGTTTCAGAAGAAGTGG
 TAACTACCAAAAAGCATTAGATACTTACAAAGATACTCACAGAAAATTTCCAGAAAATGTCGAATGTCTG
 CGTTTCTTAGTTCTGCTCTGCACAGATCTTGGATTAAGATGCTCAAGAATATGCCAGAAAATGAAAGA
 GGTTGGAAAAATGAAAGAAATAAGGGAACAGCGCATAAAGTCAAGCAGAGATGGCAGTGGGGCTCCCG
 TGGCAAAAGAGAAGGAAGTGTAGCGGTGATAGTGGCCAGAATAAGTCCAGTAAAGGTGAACGA
 CTAAGTGCCAGACTCAGAGCTTTACCTGGGACAAATGAACCTTATGAAAGTAGCAGTAACAAAGAAATAG
 ATGCCTCTATGTGGACCACTTGGCCCTCAAATAGAACGACCAAAAATGCAGCCAAGAAAAGGATCGA
 TGAGGATGATTTTGTGATGAAGAATTAGGAGATGATTTGCTTCCAGAA

ACCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Cloning Scheme:



ACCN: NM_006531

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_006531.2](#), [NP_006522.2](#)

RefSeq Size: 2942 bp

RefSeq ORF: 2475 bp

Locus ID: 8100

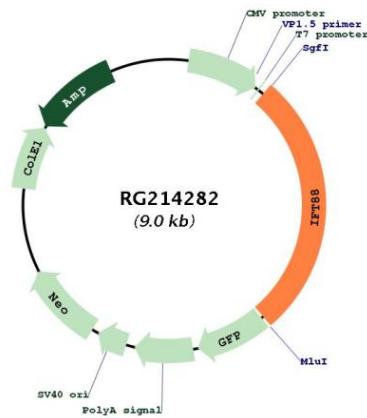
UniProt ID: [Q13099](#)

Cytogenetics: 13q12.11

Domains: TPR

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 RG214282