

Product datasheet for **SC128228**

TTC10 (IFT88) (NM_175605) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC10 (IFT88) (NM_175605) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFT88
Synonyms:	D13S1056E; DAF19; hTg737; TG737; TTC10
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for NM_175605, the custom clone sequence may differ by one or more nucleotides

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ATGAAATTCACAAACACTAAGGTACAAATGATGCAAAATGTGCACCTGGCTCCAGAGACAGATGAAGATG
ATCTTTATCCGGCTATAATGACTACAATCCAATCTATGATATCGAGGAATTGGAGAATGATGCAGCTTT
TCAGCAAGCTGTGAGGACTAGTCATGGCAGAAGACCTCCAATAACTGCTAAAATATCAAGCACGGCAGTT
ACTAGACCTATAGCTACTGGATATGGGTCCAAGACATCTCTGGCATCATCAATAGGAAGACCAATGACAG
GGGCTATTGAGGATGGAGTTACTAGACCCATGACAGCAGTGAGAGCAGCTGGTTTTACCAAAGCAGCTTT
GAGAGGCTCTGCATTTGACCCCTTAGTCAGTCAAGGGGCCCTGCTTCCCTTTGGAAGCCAAGAAAAAA
GATAGCCAGAGGAAAAATAAAGCAATTAGAGAAGGAAGTAAATGAGTTGGTAGAAGAAAGCTGTATTG
CCAATAGTTGTGGAGACTTAAATTTGGCCTTAGAAAAGGCAAAAGATGCAGGAAGAAAAGAGAGAGTCTT
GGTGAGACAGCGAGAACAAGTTACAACCTCCAGAAAATATCAATTTGGATTTAACTTACTCAGTCTTTTC
AATTTGGCCAGTCAGTATTCAGTTAATGAAATGTATGCCGAAGCACTTAACACTTATCAAGTTATAGTCA
AAAATAAGATGTTTAGCAATGCAGGAATATTGAAAATGAATATGGGAAATATCTATTTAAAGCAAAGAAA
TTATTCCAAAGCCATTAATTCTACCGAATGGCATTAGACCAAGTTCCAAGTGCTAATAAGCAAATGAGG
ATTAATAATGCAGAATATTGGAGTTACATTTATTGAGGCTGGTCAGTATTCAGATGCTATTAATTCAT
ATGAGCACATAATGAGCATGGCACCAAACTGAAAGGCAGGCTACAACCTAACTATCTGTTATTTTGTCTAT
TGGAGACCCGAGAAAAATGAAGAAGGCATTCCAAAAATTGATTACTGTTCCATTAGAAAATTGATGAAGAT
AAATATATTTACCAAGTGATGATCCTCATACTAACTTAGTAAGTGAAGCTATAAAAAATGATCACCTCA
GGCAATGGAACGTGAAAGGAAAGCCATGGCAGAAAAATATATTATGACATCTGCAAACTCATTGCTCC
TGTAATTGAAACATCTTTTGTGTCAGGTTATGATTGGTGGTGGAAAGTGGTGAAGCTTCTCAATATGTA
GAGTAGCCAATGATCTGGAATAAACAAAGCAGTTACATACTTGAGACAAAAAGACTATAACCAAGCTG
TAGAGATCTTAAAAGTGTTGAAAAAAAAGGACAGTAGAGTGAAAAGTGCAGCTGCAACCAATCTCTCAGC
CCTGTATTATATGGGAAAGGATTTTGCACAAGCCAGCAGCTATGCAGATATAGCTGTGAAGTCTGATAGA
TATAATCCAGCAGCTCTTACTAATAAAGGGAATACAGTTTTTGCAAATGGTGATTATGAGAAGGCCGCTG
AATTCTATAAAGAGGCTCTAAGAAATGATTCTTCTTGTACTGAAGCACTTATAATATTGGCCTTACCTA
TGAGAACTAAATCGGCTAGATGAGGCTTTGGACTGTTTCTGAAACTTCACGCAATCTACGAAACAGT
GCCGAAGTTCTTACCAGATAGCAAATATATGAATTAATGGAAAATCCAGTCAAGCTATTGAATGGC
TAATGCAGGTGGTCAGTGTATTCCAACCGATCCTCAAGTTTTATCTAAGCTAGGAGAATTATATGATCG
TGAAGGAGATAAATCTCAAGCATTTCAATATTACTATGAGTCATATAGGTATTTTCTTGTAAATATTGAA
GTCATTGAGTGGCTTGGAGCCTATTACATTGACACCCAATTTTGGGAAAAGCTATTGAGTACTTTGAAA
GAGCTTCTTATACAGCTACACAAGTAAATGGCAGCTGATGGTAGCTAGTTGTTTCAGAAGAAGTGG
TAACTACCAAAAAGCATTAGATACTTACAAGATACTCACAGAAAATTTCCAGAAAATGTCGAATGTCTG
CGTTTCTTAGTTCGTCTCTGCACAGATCTTGGATTAAGATGCTCAAGAATATGCCAGAAAAGTGAAGA
GGTTGAAAAAATGAAAGAAATAAGGGAACAGCGCATAAAGTCAGGCAGAGATGGCAGTGGGGGCTCCCG
TGGCAAAAGAGAAGGAAGTGTAGCGGTGATAGTGCCAGAACTATAGTGCCAGTAGTAAAGGTGAACGA
CTAAGTGCCAGACTCAGAGCTTTACCTGGGACAAATGAACCTTATGAAAGTAGCAGTAACAAAGAAATAG
ATGCCCTCTATGTGGACCCACTTGGCCCTCAAATAGAACGACCAAAAAGTGCAGCCAAGAAAAGGATCGA
TGAGGATGATTTTGTCTGATGAAGAATTAGGAGATGATTTGCTTCCAGAATAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_175605 unedited</p> <pre> NGGTGGTCAGAATTGTATACGACTCACTATAGGCGGCCGCGATTTCGGCAGGAGGCTCGGC GTCGCGCTTTGGCCAACCGCTGCGTCGTCCTGGGCCGAAAAGTGTGCGCCGCTTCCCT CAGCGTGAGGTACAAATGATGCAAAATGTGCACCTGGCTCCAGAGACAGATGAAGATGAT CTTTATCCGGCTATAATGACTACAATCCAATCTATGATATCGAGGAATTGGAGAATGAT GCAGCTTTTCAGCAAGCTGTGAGGACTAGTCATGGCAGAAGACCTCCAATAACTGCTAAA ATATCAAGCACGGCAGTTACTAGACCTATAGCTACTGGATATGGGTCCAAGACATCTCTG GCATCATCAATAGGAAGACCAATGACAGGGGCTATTCAGGATGGAGTTACTAGACCCATG ACAGCAGTGAGAGCAGCTGGTTTTACCAAAGCAGCTTTGAGAGGCTCTGCATTTGACCCC CTTAGTCAGTCAAGGGGCCCTGCTTCCCCTTTGGAAGCCAAGAAAAAGATAGCCAGAG GAAAAAATAAGCAATTAGAGAAGGAAGTAAATGAGTTGGTAGAAGAAAGCTGTATTGCC AATAGTTGTGGAGACTTAAAATTGGCCTTAGAAAAGGCCAAAAGATGCAGGAAGAAAAGAG AGAGTCTGGTGAGACAGCGAGAACAAGTTACAACCTCCAGAAAATATCAATTTGGATTTA ACTTACTCAGTTCTTTCAATTTGGCCAGTCAGTATTCAGTTAATGAAATGTATGCCGAA GCCTTAACTTATCAAGTTATAGTCAAAAATAAGATGTTTAGCAATGCAGGAATATTN GAAATGAATATGGAAATATCTATNNTAAGCANAGAAATATTCCCNAGCCATT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_175605 unedited</p> <pre> CGTTCGCGAGTATCAGTATACCTTNAATATAAAAAACAACGTTAAATGCATACATACA GAATAGAATACACTTACTTAAGTTTTNGACAGTGAAAAAATAATTACAGGTTAGATAT TTAATCCAAGGTTAACATGAGGATGATCTCATAAGGCAATTTCTTTCTTTAATAAATA TTAAAGTGAATATTATTCTGGAAGCAAATCATCTCCTAATCTTCATCAGCAAAATCATC CTCATCGATCCTTTCTTGGCTGCAGTTTTTGGTCGTTCTATTTGAGGGCCAAGTGGGTC CACATAGGAGGCATCTATTTCTTGTACTGCTACTTTTCATAAGGTTTCATTTGTCCCAGG TAAAGCTCTGAGTCTGGCACTTAGTCGTTACCTTTACTACTGGCACTATAGTTCTGGCC ACTATCACCGCTAGCACTTCTTCTCTTTTGGCACGGAAGCCCCCACTGCCATCTCTGCC TGACTTTATGCGCTGTAGCCTTATTTCTTTCAATTTTCCAACCTCTTCAGATTACTGGC ATATTCTTGAACATCTTTAATCCAAGATCTGTGCAAAGACGAACTAAAAACACAAGAC AATACCCTTTTTCTGAAACAACCTAGACTCCCTACAGCTGCCATTTAACCTTGTGAAGAC TGATTAATAAAAAACCTCTTTAAAAGATCTGAAATAGCTTTTTCCCAAATTTGGAGTGAAA ATGTAATAGGACTCCAAACCCCTACCATGACCTACATAATATACAGGGGAAAACCTATT TGGCTAAAAAGTAATATTAGAAATGCTGGAATTTTTCTCCCTCCCGAACCT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_175605
Insert Size:	2800 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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]
Transcript Variant: This variant (1) encodes the longest isoform (1). Variants 1, 4, 6, 7, and 8 all encode the same isoform (1).