

Product datasheet for **SC336637**

TTC8 (NM_001288781) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC8 (NM_001288781) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTC8
Synonyms:	BBS8; RP51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336637 representing NM_001288781.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGCTCGGAGATGGAGCCGCTGCTCCTGGCCTGGAGCTATTTTAGGCGCAGGAAGTTCAGCTCTGC
GCCGCTATGCACGCAGATGCTGGAGAAGTCCCCTTATGACCAGGCAGCTTGGATCTTAAAAGCAAGA
GCGCTAACAGAAATGGTATACATAGATGAAATTGATGTAGATCAGGAAGGAATTGCAGAAATGATGCTG
GATGAAAATGCTATAGCTCAAGTTCACGCCCTGGAACGCTTTTAAAACCTCCCTGGAACCTAATCAGACA
GGAGGGCTAGCCAGGCCGTTAGGCCAATCACACAAGCTGGAAGACCCATTACAGGTTTCTCAGGCC
AGCACGCAGAGTGAAGGCCAGGCACTATGGAACAGGCTATCAGAACACCCAGAACCCTACACAGCC
CGCCCTATCACCAGCTCCTCCGGAAGATTTGTCAGGCTGGGAACGGCTTCCATGTTACAAGTCTGAT
GGACCATTTATAAATTTCTAGGCTGAATTTAACAAAGTATCCAGAAACCTAAGTTGGCAAAGGCT
TTGTTTGGATATATCTTTCATCATGAAAATGATGTTAAGACTATTCATCTTGAAGATGTAGTTCTACAT
CTTGGAATTTACCATTTCTATTGAGGAATAAAAAACACATTGAAAAAATGCTTTGGATCTGGCTGCC
CTCTCCACAGAACATTCTCAGTACAAGGACTGGTGGTGGAAAGTACAGATTGGAAAATGTTACTACAGG
TTGGGAATGTATCGTGAAGCAGAAAAACAGTTTAAATCAGCCCTGAAGCAGCAGGAAATGGTAGATACA
TTTCTGTACTTGGCAAAAGTTTATGTCTCATTGGATCAACCTGTGACTGCTTTAAATCTTTTCAAACAA
GGCTTAGATAAGTTTCCAGGAGAAGTAACCCTGCTCTGTGGAATTGCAAGAATCTATGAGGAAATGAAC
AATATGTCATCAGCAGCAGAATATTACAAAGAAGTTTGAACAAGACAATACTCATGTGGAAGCCATC
GCATGCATTGGAAGCAACCACTTCTATTCTGATCAGCCAGAAATAGCTCTCCGTTTTACAGGCGGCTG
CTGCAGATGGGCATTTAACGGCCAGCTTTTAAACAATCTGGGGCTGTGTTGCTCTATGCCAGCAG
TATGATATGACTCTGACCTCATTTGAACGTGCCCTTTCTTTGGCTGAAAATGAAGAAGAGGCAGCTGAT
GTCTGGTACAACCTGGGACATGTAGCTGTGGGAATAGGAGATACAAATTTGGCCCATCAGTGCTTACAGG
CTGGCTCTGGTCAACAACAACAACCAGCCGAGGCCCTACAACAACCTGGCTGTGCTGGAGATGCGGAAG
GGCCACGTTGAACAGGCAAGGGCACTATTACAACTGCATCATCATTAGCACCCCATATGTATGAACCG
CATTTTAAATTTGCAACAATCTCTGATAAGATTGGAGATCTGCAGAGAAGCTATGTTGCTGCGCAGAAG
TCTGAAGCAGCATTTCCAGACCATGTGGACACACAACATTTAATTAACAATTAAGGCAGCATTTTGT
ATGCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001288781

Insert Size: 1596 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_001288781.1](#)

RefSeq Size: 2395 bp

RefSeq ORF: 1596 bp

Locus ID: 123016

UniProt ID: [Q8TAM2](#)

Cytogenetics: 14q31.3

MW: 60.4 kDa

Gene Summary: This gene encodes a protein that has been directly linked to Bardet-Biedl syndrome. The primary features of this syndrome include retinal dystrophy, obesity, polydactyly, renal abnormalities and learning disabilities. Experimentation in non-human eukaryotes suggests that this gene is expressed in ciliated cells and that it is involved in the formation of cilia. A mutation in this gene has also been implicated in nonsyndromic retinitis pigmentosa. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
Transcript Variant: This variant (4) includes an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (D) is longer, compared to isoform A.