

Product datasheet for **SC313644**

TTC8 (NM_198310) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC8 (NM_198310) 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: >SC313644 representing NM_198310.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAGCTCGGAGATGGAGCCGCTGCTCCTGGCCTGGAGCTATTTTAGGCGCAGGAAGTCCAGCTCTGC
GCCGCTATGCACGCAGATGCTGGAGAAGTCCCCTTATGACCAGGCAGCTTGGATCTTAAAAGCAAGA
GCGCTAACAGAAAATGGTATACATAGATGAAATTGATGTAGATCAGGAAGGAATTGCAGAAAATGATGCTG
GATGAAAATGCTATAGCTCAAGTTCACGCCCTGGAACGCTTTTAAAACCTCCCTGGAACCTAATCAGACA
GGAGGGCTAGCCAGGCCGTTAGGCCAATCACACAAGCTGGAAGACCCATTACAGGTTTCTCAGGCC
AGCACGCAGAGTGAAGGCCAGGCACTATGGAACAGGCTATCAGAACACCCAGAACCCGCTACACAGCC
CGCCCTATCACCAGCTCCTCCGGAAGATTTGTCAGGCTGGGAACGGCTTTGTTTGAGTATATCTTTCAT
CATGAAAATGATGTTAAGACTGCTTTGGATCTGGCTGCCCTCCACAGAACATTCTCAGTACAAGGAC
TGGTGGTGGAAAGTACAGATTGAAAAATGTTACTACAGGTTGGGAATGTATCGTGAAGCAGAAAAACAG
TTTAAATCAGCCCTGAAGCAGCAGGAAAATGGTAGATACATTTCTGTACTTGGCAAAAGTTTATGTCTCA
TTGGATCAACCTGTGACTGCTTTAAATCTTTTCAAACAAGGCTTAGATAAGTTTCCAGGAGAAGTAACC
CTGCTCTGTGGAATTGCAAGAATCTATGAGGAAATGAACAATATGTCATCAGCAGCAGAATATTACAAA
GAAGTTTTGAAACAAGACAATACTCATGTGGAAGCCATCGCATGCATTGGAAGCAACCATTCTATTCT
GATCAGCCAGAAATAGCTCTCCGGTTTTACAGGCGGCTGCTGCAGATGGGCATTTATAACGGCCAGCTT
TTTAAACATCTGGGGCTGTGTTGCTTCTATGCCAGCAGTATGATATGACTCTGACCTCATTGAACTG
GCCCTTTCTTTGGCTGAAAATGAAGAAGAGGCACTGATGTCTGGTACAACCTGGGACATGTAGCTGTG
GGAATAGGAGATACAAAATTTGGCCATCAGTGCTTCAGGCTGGCTCTGGTCAACAACAACAACCACGCC
GAGGCCACAACAACCTGGCTGTGCTGGAGATGCGGAAGGGCCAGTTGAACAGGCAAGGCACTATTA
CAAACCTGCATCATTAGCACCCCATATGTATGAACCGCATTTTAAATTTGCAACAATCTCTGATAAG
ATTGGAGATCTGCAGAGAAGCTATGTTGCTGCGCAGAAGTCTGAAGCAGCATTTCAGACCATGTGGAC
ACACAACATTTAATTAACAATTAAGGCAGCATTTTGCTATGCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_198310

Insert Size: 1428 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_198310.3](#)

RefSeq Size: 2227 bp

RefSeq ORF: 1428 bp

Locus ID: 123016

UniProt ID: [Q8TAM2](#)

Cytogenetics: 14q31.3

MW: 54 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 (3) lacks two in-frame exons in the 5' and central coding region, compared to variant 1. The encoded isoform (C) is shorter, compared to isoform A.