

Product datasheet for **SC335307**

TTC8 (NM_001288782) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC8 (NM_001288782) 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)
Fully Sequenced ORF:	>SC335307 representing NM_001288782. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATTTTGTAGTTATGAAGTAATATTACACGCTTTGGATCTGGCTGCCCTCTCCACAGAACATTCTCAG
TACAAGGACTGGTGGTGGAAAGTACAGATTGGAAAATGTTACTACAGGTTGGGAATGTATCGTGAAGCA
GAAAAACAGTTTAAATCAGCCCTGAAGCAGCAGGAAATGGTAGATACATTTCTGTACTTGGCAAAAGTT
TATGTCTCATTGGATCAACCTGTGACTGCTTTAAATCTTTCAAACAAGGCTTAGATAAGTTTCCAGGA
GAAGTAACCTGCTCTGTGGAATTGCAAGAATCTATGAGGAAATGAACAATATGCATCAGCAGCAGAA
TATTACAAAGAAGTTTTGAAACAAGACAATACTCATGTGGAAGCCATCGCATGCATTGGAAGCAACCAC
TTCTATTCTGATCAGCCAGAAATAGCTCTCCGGTTTTACAGGCGGCTGCTGCAGATGGGCATTTATAAC
GGCCAGCTTTTTAAACATCTGGGGCTGTGTTGCTTCTATGCCAGCAGTATGATATGACTCTGACCTCA
TTTGAACGTGCCCTTTCTTTGGCTGAAAATGAAGAAGAGGCAGCTGATGTCTGGTACAACCTGGGACAT
GTAGCTGTGGGAATAGGAGATACAAATTTGGCCCATCAGTGCTTCAGGCTGGCTCTGGTCAACAACAAC
AACCACGCCGAGGCTACAACAACCTGGCTGTGCTGGAGATGCGGAAGGGCCACGTTGAACAGGCAAGG
GCACTATTACAACTGCATCATCATTAGCACCCCATATGTATGAACCGCATTTTAAATTTGCAACAATC
TCTGATAAGATTGGAGATCTGCAGAGAAGCTATGTTGCTGCGCAGAAGTCTGAAGCAGCATTTCAGAC
CATGTGGACACACAACATTTAATTAACAATTAAGGCAGCATTTTGTCTATGCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001288782
Insert Size:	954 bp



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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:	<ol style="list-style-type: none"> 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:	<u>NM_001288782.1</u>
RefSeq Size:	2315 bp
RefSeq ORF:	954 bp
Locus ID:	123016
UniProt ID:	<u>Q8TAM2</u>
Cytogenetics:	14q31.3
MW:	36.4 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) differs in its 5' UTR, uses an alternate start codon and an alternate splice site in its 5' coding region, and lacks an exon in its 5' coding region, compared to variant 1. The encoded isoform (E) has a shorter and distinct N-terminus, compared to isoform A.</p>