

Product datasheet for **SC334995**

TTC8 (NM_001288783) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC8 (NM_001288783) 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:	>NCBI ORF sequence for NM_001288783, the custom clone sequence may differ by one or more nucleotides

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ATGTATCGTGAAGCAGAAAAACAGTTTAAATCAGCCCTGAAGCAGCAGGAAATGGTAGATACATTTCTGT  
ACTTGGCAAAAGTTTATGTCTCATTGGATCAACCTGTGACTGCTTTAAATCTTTTCAAACAAGGCTTAGA  
TAAGTTTCCAGGAGAAGTAACCCGTCTGTGGAATTGCAAGAATCTATGAGGAAATGAACAATATGTCA  
TCAGCAGCAGAATATTACAAAGAAGTTTTGAAACAAGACAATACTCATGTGGAAGCCATCGCATGCATTG  
GAAGCAACCACTTCTATTCTGATCAGCCAGAAATAGCTCTCCGGTTTTACAGGCGGCTGCTGCAGATGGG  
CATTTATAACGGCCAGCTTTTTAAACAATCTGGGGCTGTGTTGCTTCTATGCCCAGCAGTATGATATGACT  
CTGACCTCATTTGAACGTGCCCTTCTTTGGCTGAAAATGAAGAAGAGGCAGCTGATGTCTGGTACAAC  
TGGGACATGTAGCTGTGGGAATAGGAGATACAAATTTGGCCCATCAGTGCTTACAGGCTGGCTCTGGTCAA  
CAACAACAACCACGCCGAGGCTACAACAACCTGGCTGTGCTGGAGATGCGGAAGGGCCACGTTGAACAG  
GCAAGGGCACTATTACAACTGCATCATCATTAGCACCCATATGTATGAACCGCATTTTAAATTTGCAA  
CAATCTCTGATAAGATTGGAGATCTGCAGAGAAGCTATGTTGCTGCGCAGAAGTCTGAAGCAGCATTTCC  
AGACCATGTGGACACACAACATTTAATTAACAATTAAGGCAGCATTTTGCTATGCTCTGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001288783
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).



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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_001288783.1, NP_001275712.1</u>
RefSeq Size:	2287 bp
RefSeq ORF:	831 bp
Locus ID:	123016
UniProt ID:	<u>Q8TAM2</u>
Cytogenetics:	14q31.3
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 (6) differs in its 5' UTR and uses a downstream start codon, compared to variant 1. The encoded isoform (F) has a shorter N-terminus, compared to isoform A.</p>