

Product datasheet for **SC124462**

TTC8 (NM_198309) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC8 (NM_198309) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTC8
Synonyms:	BBS8; RP51
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_198309, the custom clone sequence may differ by one or more nucleotides

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ATGAGCTCGGAGATGGAGCCGCTGCTCCTGGCCTGGAGCTATTTTAGGCGCAGGAAGTCCAGCTCTGCG
CCGATCTATGCACGCAGATGCTGGAGAAGTCCCCTTATGACCAGGCAGCTTGGATCTTAAAAGCAAGAGC
GCTAACAGAAATGGTATACATAGATGAAATTGATGTAGATCAGGAAGGAATTGCAGAAATGATGCTGGAT
GAAAATGCTATAGCTCAAGTTCACGCCCTGGAACGTCTTTGAAACTCCCTGGAACCTAATCAGACAGGAG
GGCCTAGCCAGGCCGTTAGGCCAATCACACAAGCTGGAAGACCCATTACAGGTTTCTCAGGCCACGAC
GCAGAGTGAAGGCCAGGCACTATGGAACAGGCTATCAGAACACCAGAACCCTACACAGCCCGCCT
ATCACCAGCTCCTCCGGAAGATTTGTCAGGCTGGGAACGGCTTCCATGCTTACAAGTCTGATGGACCAT
TTATAAATTTATCTAGGCTGAATTTAACAAAGTATCCCAGAAACCTAAGTTGGCAAAGGCTTTGTTTGA
GTATATCTTTCATCATGAAAATGATGTTAAGACTGCTTTGGATCTGGCTGCCCTCTCCACAGAACATTCT
CAGTACAAGGACTGGTGGTGGAAAGTACAGATTGGAAAATGTTACTACAGGTTGGGAATGTATCGTGAAG
CAGAAAAACAGTTTAAATCAGCCCTGAAGCAGCAGGAAATGGTAGATACATTTCTGTACTTGGCAAAAGT
TTATGTCTCATTGGATCAACCTGTGACTGCTTTAAATCTTTCAAACAAGGCTTAGATAAGTTTCCAGGA
GAAGTAACCTGCTCTGTGGAATTGCAAGAATCTATGAGGAAATGAACAATATGTCATCAGCAGCAGAAT
ATTACAAAGAAGTTTTGAAACAAGACAATACTCATGTGGAAGCCATCGCATGCATTGGAAGCAACCACTT
CTATTTGATCAGCCAGAAATAGCTCTCCGTTTTACAGGCGGCTGCTGCAGATGGGCATTATAACGGC
CAGTTTTTAACAATCTGGGGCTGTGTTGCTTCTATGCCAGCAGTATGATATGACTCTGACCTCATTTG
AACGTGCCCTTTCTTTGGCTGAAAATGAAGAAGAGGCAGCTGATGTCTGGTACAACCTGGGACATGTAGC
TGTGGGAATAGGAGATACAAATTTGGCCCATCAGTGCTTCAGGCTGGCTCTGGTCAACAACAACAACCAC
GCCGAGGCCTACAACAACCTGGCTGTGCTGGAGATGCGGAAGGGCCACGTTGAACAGGCAAGGGCACTAT
TACAAACTGCATCATCATTAGCACCCCATATGTATGAACCGCATTTTAAATTTGCAACAATCTCTGATAA
GATTGGAGATCTGCAGAGAAGCTATGTTGCTGCGCAGAAGTCTGAAGCAGCATTTCCAGACCATGTGGAC
ACACAACATTTAATTAACAATTAAGGCAGCATTTTGCTATGCTCTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198309 unedited ATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCTGGCCGCACCG GCAGCCATGAGCTCGGAGATGGAGCCGCTGCTCCTGGCCTGGAGCTATTTTAGGCGCAGG AAGTTCAGCTCTGCGCCGATCTATGCACGCAGATGCTGGAGAAGTCCCCTTATGACCAG GCAGCTTGATCTTAAAAGCAAGAGCGCTAACAGAAATGGTATACATAGATGAAATTGAT GTAGATCAGGAAGGAATTGCAGAAATGATGCTGGATGAAAATGCTATAGCTCAAGTTCCA CGCCCTGGAACGCTTTTAAAACCTCCCTGGAATAATCAGACAGGAGGGCCTAGCCAGGCC GTTAGCCAATCACACAAGCTGGAAGACCCATTACAGGTTTCCTCAGGCCAGCACGCAG AGTGGAAGGCCAGGCACTATGGAACAGGCTATCAGAACCCAGAACCGCCTACACAGCC CGCCCTATCACCAGCTCCTCCGGAAGATTTGTCAGGCTGGGAACGGCTTCCATGCTTACA AGTCTGATGGACCATTATAAATTTATCTAGGCTGAATTTAACAAAGTATCCAGAAA CCTAAGTTGGCAAAGGCTNTGTTTGAGTATATCTTTCATCATGAAAATGATGTTAAGACT GCTTTGGATCTGGCTGCCCTCTCCACAGACATTCTCAGTACAAGGACTGGTGGTGGNAAG TACAGATTGAAAATGTTACTACAGTTGGGAATGTATCGTGAAGCAGAAAAACGTTTAA ATCAGCCCTGAAGCAGCAGGAAATGGTANNATACATTNCTGACTTGGCAAAAAGTTATGT CTCATTGGACCACTGTGACTGCTTTAAATCTTTTAAACCAGGCTAANATAAGTTC
Restriction Sites:	NotI-NotI
ACCN:	NM_198309
Insert Size:	2700 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:	<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:	NM_198309.2 , NP_938051.1
RefSeq Size:	2218 bp
RefSeq ORF:	1518 bp
Locus ID:	123016
UniProt ID:	Q8TAM2
Cytogenetics:	14q31.3

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 (2) lacks an in-frame exon in the 5' coding region, compared to variant 1. The encoded isoform (B) is shorter, compared to isoform A.