

## Product datasheet for **SC127954**

### **BBS5 (NM\_152384) Human Untagged Clone**

#### Product data:

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|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product Name:             | BBS5 (NM_152384) Human Untagged Clone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Tag:                      | Tag Free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Symbol:                   | BBS5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Mammalian Cell Selection: | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Vector:                   | <u>pCMV6-XL5</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Fully Sequenced ORF:      | <p>&gt;OriGene ORF within SC127954 sequence for NM_152384 edited (data generated by NextGen Sequencing)</p> <pre> ATGTCGGTGCTGGATGCGCTTTGGGAGGATCGGGATGTCCGTTTCGACCTGTCCGCGCAG CAAATGAAAACAAGACCTGGAGAAGTCCTTATTGATTGTTTAGATTCCATTGAAGACACC AAAGGAAATAATGGAGATAGAGGTAGACTCTTGGTAACAAATTTAAGAATTCTCTGGCAC TCTTTGGCATTATCAAGAGTCAATGTTTCTGTCGGTTACAATTGCATATTGAATATTACA ACAAGGACTGCTAACTCTAAATTACGAGGCCAACTGAAGCTCTCTATATACTAACAAAA TGTAACAGTACTCGTTTTGAATTTATATTACAAATTTGGTTCCTGGAAGCCCTAGACTT TTTACTTCTGTGATGGCAGTACACAGAGCTTATGAACTTCTAAAATGTATCGTGATTTT AAATTAAGAAGTGCACTAATTCAGAACAAGCACTAAGACTGTTGCCACAAGAACATGTA TATGATAAAAATAATGGAGTTTGAATTTATCCAGTGATCAGGGCAATTTAGGAACCTTT TTTATTACCAATGTGAGAATTGTGTGGCATGCAAATATGAATGATAGTTTTAATGTCAGT ATACCATATCTGCAAATTCGTTCAATAAAGATTAGAGATTCAAAATTTGGTTTAGCTCTT GTCATAGAAAGCTCTCAGCAGAGTGGTGGATATGTTCTTGGCTTTAAATAGATCCTGTG GAAAACTACAAGAATCAGTTAAGGAAATCAATTCACCTCACAAAGTCTATTCTGCCAGT CCCATATTTGGAGTTGATTATGAGATGGAAGAAAAGCCCCAGCCGCTCGAAGCTCTGACA GTCGAACAAATTCAGATGATGTAGAAATAGACTCTGATGGTCACACGGATGCTTTTGTG GCTTATTTTGTGATGGCAATAAGCAACAAGATCGTGAACCTGTATTTTCAGAAGAACTG GGGCTTGCAATAGAGAAATTGAAGGATGGATTCACCTACAGGGACTTTGGGAAGTAATG AGTTGA </pre> |

Clone variation with respect to NM\_152384.2



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_152384 unedited  
 GCCGGGTCGAATTTGTATACGACTCATATAGGCGGCCGCCAGTGTGATGGATATCTGCAG  
 AATTCGCCCTTCTTGTTCACCATGTGCGTGCTGGATGCGCTTTGGGAGGATCGGGATGTC  
 CGTTTCGACCTGTCCGCGCAGCAAATGAAAACAAGACCTGGAGAAGTCCTTATTGATTGT  
 TTAGATTCCATTGAAGACACCAAAGGAAATAATGGAGATAGAGGTAGACTCTTGGTAACA  
 AATTTAAGAATTCTCTGGCACTCTTTGGCATTATCAAGAGTCAATGTTTCTGTGCGTTAC  
 AATTGCATATTGAATATTACAACAAGGACTGCTAACTCTAAATTACGAGGCCAACTGAA  
 GCTCTCTATATACTAACAAAATGTAACAGTACTCGTTTTGAATTTATATTACAAATTTG  
 GTTCTGGAAGCCCTAGACTTTTTACTTCTGTGATGGCAGTACACAGAGCTTATGAAACT  
 TCTAAATGTATCGTGATTTTAAATTAAGAAGTCACTAATTCAGAACAAAGCAACTAAGA  
 CTGTTGCCACAAGAATGTATATGATAAAATAAATGGAGTTTGAATTTATCCAGTGAT  
 CAGGGCAATTTAGGAACCTTTTTTATTACCAATGTGAGAATTGTGTGCATGCAATATG  
 AATGATAGTTTTAATGTCAGTATACCATATCTGCAAAATTCGTTCAATAAAGATTAGAGAT  
 TCAAAATTTGGTTTAGCTCTTGTATAGAAAGCTCTCAGCAGAGTGGTGGATATGTTCTT  
 GGCTTTAAATAGATCCTGTGNGAAAACACAGAATCAGTTAAGGAAATCAATTCACTTCA  
 CAAAGTCTATTCTGCCAGTCCCATATTTTGGAGTTGATTATGAGATGGAAGAAAGCCCCA  
 GCCGCTCGAAGCTCTGAAGTCT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_152384 unedited  
 CATAGACACTGGTGTGGCAACTTCCAGNCCAGNANGAGCACTGGGGAGGGGTACAGGG  
 ATGCCACCCGGGCTCTGTTTCAGGAACAGCTATGACCGCGGCCGGAATTCAGATCTGGTA  
 CCGAGCTCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGCCCTTTTCCATGAC  
 TTATGGCAGGTGACTAGTATCTTTAACTAGAGATATCTTTAATAGAAATCCATCTCAAC  
 TCAAGGTCAATCAACTCATTACTTCCAAAGTCCCTGTAGGGTGAATCCATCCTTCAATT  
 TCTCTATTGCAAGCCCCAGTTCTTCTGAAAATACAGGTTACGATCTTGTGCTTATTGC  
 CATCAGCAAAATAGCCACAAAAGCATCCGTGTGACCATCAGAGTCTATTTCTACATCAT  
 CTTGAATTTGTTGACTGTCAGAGCTTCGAGCGGCTGGGGCTTTTCTTCCATCTCATAAT  
 CAACTCCAAATATGGGACTGGCAGAATAGACTTTGTGAAGTGAATTGATTTCTTAACTG  
 ATTCTGTAGTTTTTCCACAGGATCTATTTTAAAGCCAAGAACATATCCACCACTCTGCT  
 GAGAGCTTTCTATGACAAGAGCTAAACCAAATTTTGAATCTCTAATCTTTATTGAACGAA  
 TTTGCAGATATGGTATACTGACATTAATACTATCATTATTTGCATGCCACACAATTC  
 TCACATTGGTAATAAAAAAAGTTCCTAAATTGCCCTGATCACTGGATAAATCCAAACTC  
 CATTTATTTTATCATATACATGTTCTTGTGGCAACAGTCTTAGTTGCTTGTCTGAAATA  
 GTGCACTTTCTAATTTAAATCACGATACATTTTAAAGTTTAA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_152384

**Insert Size:**

1200 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\\_152384.2](#), [NP\\_689597.1](#)

**RefSeq Size:** 3196 bp

**RefSeq ORF:** 1026 bp

**Locus ID:** 129880

**UniProt ID:** [Q8N3I7](#)

**Cytogenetics:** 2q31.1

**Domains:** DM16

**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 required for the formation of cilia. Alternate transcriptional splice variants have been observed but have not been fully characterized. [provided by RefSeq, Jul 2008]