

Product datasheet for **SC319657**

BBS2 (NM_031885) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BBS2 (NM_031885) Human Untagged Clone
Tag:	Tag Free
Symbol:	BBS2
Synonyms:	BBS; RP74
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_031885.2
 GTCCGGCCTGAGGCGGCTGGGGCCGCGCAGGTAGTGTCCCTGCACTTCTTGCCCGGGCGC
 GTGAGGCCAGCTCCGCTGCGCTTGTCTCCAGCTTCCAGCCCTCTCCCCTAAGCCGCCGC
 CATCATGCTGCTGCTGTGTTACCCCTGAAACTGCGCCACAAAATCAGCCCCGAATGGT
 GGCCATAGGGCGTACGACGGGACTCACCCGTGCCTGGCGGCCGCCACCCAAACGGGCAA
 GGTTTTTATTATAATCCTCATAACGGAACAGCATGTCAGTGCATCCAGGGTCTTCCA
 GAGCCCCCTGGAATCTGATGTTTTCTTCTCAACATTAACCCAGGCAGTCAGCTGTCTGAC
 TGCAGGCCGATTGAACCCCTGAGCTTGGCTATGATGCCCTTTTAGTGGGGACACAGACTAA
 TCTTTTGGCTTATGATGTCTACAATAATTCGGATTTGTTCTACAGAGAGGTAGCAGATGG
 GGCAAATGAGTTGTGCTGGGGACATTGGGAGACATTTCTCCCCTCTTGCGATTATTGG
 TGGCAATTGTGCTCTGCAAGTTTCAATCATGAAGGAAGTATCTTTTTGGACGGTTAC
 TGGAGACAATGTTAATTCCTTGGCCTTGTGTGACTTTGATGGTATGGAAAGAAAGACT
 TCTTGTGGATCTGAGGATTTTGATATCCGAGTTTTAAGGAAGATGAGATTGTGCAGAA
 AATGACAGAAACAGAGATAGTCACCTCTTTGTCCCATGTATGCCAGTCGATTTGGTTA
 TGCCCTTTCCAATGGCACAGTTGGAGTTTATGACAAAACATCCCGATACTGGAGAATTAA
 ATCGAAAAATCATGCCATTGAGCATTATGCTTTTGACCTTAATTCTGATGGAGTGAATGA
 ACTGATAACTGGTTGGTCCAATGGGAAGTTGATGCTCGAAGTGACCGAACTGGGGAGGT
 CATCTTTAAGGACAATTTTTCTTCTGCAATTGCCGGTGTGGTAGAGGGAGATTACCGGAT
 GGATGGCCACATACAGTTAATCTGCTGCTCAGTGGATGGGGAAAATCCGGGGCTACCTGCC
 TGGCACGGCTGAGATGAGGGGCAACCTCATGGACACCAGTGCAGAGCAGGACCTGATCCG
 AGAGCTGAGTCAGAAGAAGCAGAATCTGTTGCTGGAACCCGTAAGTATGAGGAAAATGC
 CAAGGCTGAATTTGGCCAGTCCACTGAACGAGGCTGATGGGCATCGGGGCATAATCCCAGC
 CAATACCAGGCTCCACACCACGCTCTCAGTCAGCCTGGGGAATGAGACCCAAAACGCTCA
 TACAGAATTACGCATTTTCACTTCAATGACACCATCATCCGAGCAGTATTGATTTTTGC
 AGAAGGAATTTTTACAGGTGAAAGCCACGTGGTACATCCCAGCATTACACACCTCTCCAG
 TTCCATCTGCATCCCTATTGTGCCTCCCAAAGATGTCCCTGTGGATCTGCACTTGAAGGC
 ATTCGTGGGTTACAGAAGCAGCACCCAGTTTCATGATTTGAATCGACAAGACAGCTCCC
 TCGATTCTCCATGTATGCGCTGACCAGCCTGGACCCTGCCAGTGAGCCAATCAGTTATGT
 TAACTTTACCATTGCAGAACGGGCACAGAGGGTTGTTGTATGGCTCGGTCAGAACTTTCT
 GTTACCAGAAGACTCACATTCAGAATGCTCCATTTCAAGTGTGTTTACATCTTTACG
 GAATGGCGGCCACCTGCATATAAAAATAAACTTAACTAGTGGAGAGATCACTATAAACTGA
 TGATATTGATTTGGCTGGTATATCATCCAGTCAATGGCATATTTTTTGTCTATTGAAGA
 CCTTCAAGTAGAAGCGGATTTTCTGTCTATTTTGAAGAAATACGAAAGGTGCTAGTTAA
 GGTGGATGAATATCATTAGTGCATCAGAAGCTCAGTGTGATATGGCTGATCATTCTAA
 TTTGATCCGAAGTTTGTGGTGGAGCTGAGGATGCTCGTCTGATGAGGGACATGAAAAC
 AATGAAGAGTCGTTATATGGAACCTATGACCTTAATAGAGACTTGCTAAATGGATATAA
 AATTCGCTGTAAACATCACACAGAGCTGTTGGGAAACCTCAAAGCAGTAAATCAAGCAAT
 TCAAAGAGCAGGTCGCTGCGGGTTGGAAAACCAAGAACCAGGTGATCACTGCTTGTGCG
 GGATGCAATTCGAAGCAATAACATCAACACACTGTTCAAAATCATGCGAGTGGGGACAGC
 TTCTTCTAGGTGAGGAAAATACAGGTCAATGAAGTTCTGGCAAAGATTTCTGTTAAAA
 ACCTATGCTGGTTTGGTTGGATCACACCCTGGTGAACCCCGGGTCTAAGAATGAAAAT
 AACCTTGGTGAGTTGTACAAATTAAGACAAAGAACTACATGTGAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_031885

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:	<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_031885.2 , NP_114091.2
RefSeq Size:	2978 bp
RefSeq ORF:	2166 bp
Locus ID:	583
UniProt ID:	Q9BXC9
Cytogenetics:	16q13
Domains:	FG-GAP
Protein Families:	Druggable Genome
Gene Summary:	This gene is a member of the Bardet-Biedl syndrome (BBS) gene family. Bardet-Biedl syndrome is an autosomal recessive disorder characterized by severe pigmentary retinopathy, obesity, polydactyly, renal malformation and cognitive disability. The proteins encoded by BBS gene family members are structurally diverse and the similar phenotypes exhibited by mutations in BBS gene family members is likely due to their shared roles in cilia formation and function. Many BBS proteins localize to the basal bodies, ciliary axonemes, and pericentriolar regions of cells. BBS proteins may also be involved in intracellular trafficking via microtubule-related transport. The protein encoded by this gene forms a multiprotein BBSome complex with seven other BBS proteins.[provided by RefSeq, Oct 2014]