

Product datasheet for **SC314341**

BBS10 (BC026355) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BBS10 (BC026355) Human Untagged Clone
Tag:	Tag Free
Symbol:	BBS10
Synonyms:	Bardet-Biedl syndrome 10; C12orf58; FLJ23560
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for BC026355, the custom clone sequence may differ by one or more nucleotides

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ATGTTAAGTTCTATGGCCGCTGCAGGGTCTGTGAAGGCGGCGTTGCAGGTGGCCGAGGTG
CTGGAAGCCATCGTGAGCTGCTGCGTGGGGCCCGAGGGACGGCAAGTTTGTGTACGAAG
CCCCTGGCGAGGTGCTTCTCAGCCGGAATGGAGGCGCCTCCTGGAGGCGCTACACTTA
GAGCATCCCATAGCCAGGATGATAGTGGACTGTGTTTCCAGTCATCTCAAAAAACAGGA
GATGGTGCAAAAAACATTTATTATCTTTCTTTGCCATTTGCTTAGAGGACTTCATGCAATC
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TTAGACGGTATTATGGACCAGTACCTAAGTAGACACTTTTTGTCTATCTTTCTGCTGCT
AAAGAGAGAACATTGTGTAGGAGCTCTTAGAGTTGCTCTTAGAAGCATACTTTTGTGGA
AGAGTGGGAAGAAATAATCATAATTTATTTACAGTTGATGTGTGACTACTTTTCAAG
TGTATGACTTGTAAAAGTGGGATTGGTGTATTTGAGTTAGTGGATGACCATTTTGTAGAG
TTGAATGTTGGTGTCACTGGCCTTCTGTTTCAGATTCCAGGATCATAGCTGGTCTTGTG
CTTCAGAAAGATTTTCTGTGTACCGCCAGCAGATGGTGACATGCGAATGGTGATAGTA
ACAGAAACCATTCAGCCTCTTTTTCCACTTCTGGATCAGAGTTTATTCTAAATTCAGAA
GCACAGTTTCAGACATCTCAATTTGGATTATGAAAAAGACAAAAGCAATAATGAAACAT
CTACATAGTCAGAATGTAAAATTGCTCATATCTAGTGTGAAACAACAGATTTAGTTAGT
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CTTATCCGGAGGATCATTGGTCTTTCTCCATTTGTACCACCACAGGCCTTTTCGAGTGT
GAAATACCTAACACTGCTTTGGTGAAATTTGTAACCTCTTATCCTTAGATCCAAAAGA
TATGTTTCATCTAGGCTTGATAAGCACATGTGCATTTATACCACACTCTATAGTTCTTTGT
GGACAGTGCATGGTCTCATTGAACAACATGAGGATGCTTTACATGGAGCACTTAAATG
CTTCGGCAATTATTTAAAGACCTTGATCTAAATTACATGACACAAACCAATGACCAAAAT
GGCACTTCAAGTCTTTTTATTTATAAGAACAGTGGAGAAAGTTATCAAGCACCAGATCCG
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GAAAAAATCAACATATTTAAAGTACATTCTAATTTGGTAATCCAGATGTAGAATTA
GAAACATATATCCGTATTCAACCCCACTGACACCAACAGATACATTCCAAACAGTT
GAAACGCTGACATGTTTGTCTTTGGAAAGAAACAGGCTAACTGATTATTATGAACCATTA
CTCAAGAACAAATCCACTGCTTATTCAACAAGGGGAAATAGAATAGAAATTTCTACGAA
AATTTACAGGTCAAAATATTACTAGAAAGGGAAGCATGTTACCAGTGAGCTGTAAGTTA
CCGAATATGGGTACTTCCAGAGTTACCTTTCTCATCTATGCCAGCTGGTTGTGTTTTG
CCAGTAGGTGGAATTTTGATATCTTGTTACATTACTATCTTCTCAATTATGCCAAAAA
TGCCATCAATCAGAAGAAACCATGGTTAGTATGATAATAGCTAATGCACTTTTAGGCATT
CCCAAAGTCCTTTATAAATCTAAACAGGAAAGTACAGCTTTCCACATACATATATAAGA
GCTGTCCATGCACTGCAAAACCAATCAACCCTTGGTAAGCAGTCAGACAGGTTTGGAAATCA
GTAATGGGTAAATACCAGCTACTAATCTCAGTTCTTCAGTGTGTTGACAAAAATATTAACC
ATTGACATGGTAATCACTGTAAAGAGACACCCTCAGAAAGTTCACAATCAAGATTCAGAA
GATGAACATA

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Restriction Sites: Please inquire

ACCN: BC026355

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:	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>BC026355.1</u> , <u>AAH26355.2</u>
RefSeq Size:	3347 bp
RefSeq ORF:	2172 bp
Locus ID:	79738
Cytogenetics:	12q21.2
Domains:	cpn60_TCP1
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 progressive retinal degeneration, 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 is likely not a ciliary protein but rather has distant sequence homology to type II chaperonins. As a molecular chaperone, this protein may affect the folding or stability of other ciliary or basal body proteins. Inhibition of this protein's expression impairs ciliogenesis in preadipocytes. Mutations in this gene cause Bardet-Biedl syndrome type 10. [provided by RefSeq, Jan 2010]