

Product datasheet for **SC329086**

BBS12 (NM_001178007) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BBS12 (NM_001178007) Human Untagged Clone
Tag:	Tag Free
Symbol:	BBS12
Synonyms:	C4orf24
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001178007, the custom clone sequence may differ by one or more nucleotides

```

ATGGTGATGGCTTGCAGAGTCGTAAACAAAAGAAGACACATGGGACTTCAACAACCTTCA
TCATTCGCGGAAACAGGAAGAAGCTTTCCCTAGGCCCACTAAAATCATCAAATTTATTATA
GATGAAGAATGTCATGAAAGTGATTAATCAGTTCACAGTAAGGCTTCTTGAAAGTTTG
GATTTAACCAGTGCAGTGGGACAACCTTCAATGAAGCAGTTCAGCACAACAAACACA
TATAGAAGTGGAAATCAGTACTCTTTTGTCTTGTGGTGGTGGAGCAGTGCAGTTGAA
GAATGCTTTCATCTTGGTGTCCCAATTTCCATAATAGTATCAGTAATGTCAGAAGGCTTA
AACTTTTGTAGTGAAGAGGTAGTTTCTCTTCATGTACCTGTTCAACAATATATTTGACTGT
ATGGACAGCACAAAACATTTTCTCAACTTGAAACATTTAGTGTAAAGTTTGTGTCCTTTT
CTACAGGTCCTTCAGATACTGATTTGATAGAGGAATTGCATGGTCTCAAAGATGTTGCC
TCTCAAACACTGACCATTTCCAACCTTTCTGGGAGACCTCTAAATCATATGAATTATTT
AAACCTCAGACAAAGGTTGAAGCAGATAACAACACATCACGAAGCTGAAAAACAGCCTG
CTTGACAGATACCTGCTGCAGACAGTCAATACTAATCCACAGTAGGCATTTTAATAGGACA
GATAATACTGAAGGGTAAGCAAACAGATGGATTTCAAGAACATGTTACAGCTACTCAC
AAAACCTACAGATGTAATGATTTGGTAGAGTTGGCAGTAGGCTTGAGTCATGGAGATCAC
AGCAGCATGAAGTTAGTGAAGAAGCAGTACAGCTGCAATATCAGAATGCTTGTGTGCAA
CAAGGCAACTGTACAAAACCATTTATGTTTGACATTTCAAGAATTTTCACTTGCTGTCTA
CCAGGCTTACCTGAAACTTCTTCTTGTGTTTGTCCAGGATATATCACTGTTGTGTCAGTA
TCTAATAATCCTGTGATCAAGGAATGCAGAATCAGCCTGTGCGAATAGTTCTCATTGAG
GGTGACCTCACAGAGAATTACCGCCACCTGGGATTTAATAAGTCTGCAAAATTTAAAACA
GTATTAGATAGCATGCGGCTTCAAGAAGACAGCTCAGAAGAAGTGGGCAAATCACGTG
TTACAGGTGTTAATCCAGTTCAGGTGAACCTTGTCTTGTGTTACAAGGAAATGTGTCCGAA
CGCTTAATTGAAAAATGTATAAACAGTAAGCGGTTGGTAATCGGCTCAGTGAATGGCAGT
GTGATGCAGGCTTTTGCAGAGGCTGCAGGAGCAGTACAGGTGGCCTACATTACACAAGTG
AATGAAGATTGTGGGCGACGGGCTGCGTGACCTTCTGGAGAAGCAGCCCTTTGGAT
GTTGTAGATAGGAACAACAGAATCGCAATCTTATTAACAAACAGAAGGAATTAATTTGGTT
ACGGCCGTGCTCACTAACCCAGTACTGCACAGATGCAAAATCAAAGAAGATAGGTTCTGG
ACATGTGCCTATCGTTTGTATTATGCTCTAAAAGAGGAAAAGGTCTTCTTGGAGGTGGT
GCAGTTGAATTTTGTGCTTAGCTGTCTCATATTCTTGCAGAGCAATCTCTGAAAAAA
GAAAACCATGCCTGCTCAGGGTGGCTGCATAATACTTCTCTTGGCTGGCTTCATCTCTG
GCAATATACAGACCAACTGTGCTTAAATTCCTGGCAAATGGATGGCAGAAATACCTTTCA
ACTCTCTATATAACACTGCCAATTACTCATCAGAATTTGAAGCCAGCACATACATTCAA
CATCATCTGCAAAATGCCACAGACTCTGGCTCTCCTTCATCTTACATCTTGAATGAATAT
AGTAAACTAAATAGTAGAATTTTAAATTCAGACATTTCAAATAAACTGGAGCAGATCCG
AGAGTTTATGACGTTGTTACACCAAAGATTGAGGCGTGGCGCCGAGCATTGGATTTAGTA
TTGTTAGTACTTCAGACAGACAGTGAATAATTACTGGACATGGACACACACAGATAAAT
TCACAGGAATTAACGGGCTTTCTATTTTGTAG

```

Restriction Sites: Please inquire

ACCN: NM_001178007

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:	<u>NM_001178007.1</u> , <u>NP_001171478.1</u>
RefSeq Size:	3451 bp
RefSeq ORF:	2133 bp
Locus ID:	166379
UniProt ID:	<u>Q6ZW61</u>
Cytogenetics:	4q27
Gene Summary:	<p>The protein encoded by this gene is part of a complex that is involved in membrane trafficking. The encoded protein is a molecular chaperone that aids in protein folding upon ATP hydrolysis. This protein also plays a role in adipocyte differentiation. Defects in this gene are a cause of Bardet-Biedl syndrome type 12. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>