

Product datasheet for **MC220926**

Bbs12 (NM_001008502) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Bbs12
Synonyms:	Gm407; Gm721; Gm1805
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>MC220926 representing NM_001008502
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGAGATGGCTTGCAGGGTCATAAACAGAAGAAGGCATGTGGGACTTCAACAACCTTTGTCAATTGCAC
 AAACAGGAAGAAGTTTCTAGGTCCAGTAAAAGCCACCAAGTTATTACAGATGCAGAGTGCATGAAAG
 TGTGTTGATCAGCTCAACAGTCAGGCTTCTAGAAGGATTGGATTTAACCTGTGCAGTGGGGCACCTTCTC
 AACGAAGCAGTTCAAGCACAGAATAACACATACAAAATTGGAACAGCACTCTTTGTCTTGTGCGGTG
 CATGGAGCAGGGCTGTTGAAGATTGTCTCATCTGGGGATTCCCACTACAGTAATAGTGTGGTAATGTC
 AGAAGGCTTGAACCTTTGATTGAAGCAGTAGTTTCTCTTCAAGTACCCATACACAATGTATTGACCAC
 ATGGACAACACAAGTACAGTTTACAACTTGAACAGTTAATGCCACTTTGTGTCTTTTCTACAAGACC
 CTTGAGTTCTGGTGTACAGGAAAAGCGTGATTTCAAAGATGTACATCTCCGTTATTGTCCACTTA
 CAGTCTTTCTGGGAGACATGCTGAGTACCCAAATTCTTCAAACCTCAGAATAATCTTGAACAGAAAAA
 AACACATTGCAAGTTTGAACAACTCTATATACAGATTCTTCTGCAAAAAGTCAGCACTAGCTCACA
 GTAGGCATTTTAATAGGACAGATAATAGCCACTGGATAAGCCGACATGATGGATTTCTAGAACAACCTTGA
 ATCAACTCCGAAAGTACTTAGATGTAATGATTTTGGGGAGTTAGCAGTTGGCTTGAGCCATGGAGATCAC
 AGCAGCATGGCATTGGCCAAAGCAGCAGTAGGTTGCAGTGGCAGAGTCTGTGTCTGCAGCAAGCCAAC
 GGATGGCACCCTTTATGTTGATATTCAAGACTTCTCACTTGCTGATTCCAGGTCTACCTGAACTTT
 TTCCCGTGTGGTCTAGGATATGTCACTTTTGTACCATGTCTAGTATTACTCTTATCAAGGAATTGCAG
 GATCAGCCTTTCCGAGTGATTCTCATTGAGGTGACCTCACAGAGAGTTACCGACACCTGGGATTTAATA
 AGTCTGTAATATTAAGACTAAGTTAGATAGTGGGGAGCTTTCAGAAGATAGTGCAGAAGAACTGTGGAC
 AAATCATGTGTACAGGTGTTAATCCAGTTCAATGTGACCCTCATCTTGGTACAAGGAAGTGTATCAGAA
 CACTTGACTGAAAAATGCATGCACAGTAAGCGGCTGGTAATTGGGGCAGTGAATGGCAGTGTGTTGCAGG
 CATTTGCAGAGGCCACAAGAGCAGTGCCAGTAGCCTATGTTACACAAGTGAATGAAGACTGTGTAGGCAG
 CGGGTCTCTGTGACCTTCTGGATGAGTCTCATGATATAAACAGGAGCAACAGAATAGCAATCTTGTTA
 ACAGCAGAAGGAATTAATTTGATTACAGCAGTACTTACTAGTCCAGCAAGTGTCTCAGATGGAAACCAAGG
 AAGACAGGTTCTGGTCTGTGTGTATCGTTTATATCATGCCCTAAAAGAAGAGAAGGTCTTCCTTGGCGG
 TGGTGTCTGTAATTTTATGTCTTAGCCATCTCAAATCTTGTCTGAGCAATCTTAAATAGAGGAAAC
 CATGCTTGTTAGGATGGCTTCTGATTCTTCTCTTGGATGGCTCATCTCTGTCCGTCTACAGACCTA
 CTGTGCTGAAGTCCCTGGCAGGTGGGTGGCATGAATTCCTGTGAGTATCATGTGTAACACTGCCACTCA
 CCCATCAGCAGTGAAGCTAGGACATTATTCAACAACATGTACAAAATGCCATTGACTCTGGCTCCCCT
 TCATCTTACATCTTGAGTGAATATAGTAACTAAGTAGTGGAGTTTTCATTGAGGTATTTAGATAACC
 TGGAGCTGGTTCCAAGAGTTTATGATACTGTTACACCAAGATTGAAGCATGGCGCCGAGCATTGGATGT
 AGTGCTCTTAGTGCTTCAGACAGACAGTGAAATAATTACTGGACTGTACACACAGAGATGAATTCACAG
 GAATTAGATGGAGTTTATTTTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001008502

Insert Size:

2127 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001008502.2, NP_001008502.2</u>
RefSeq Size:	2463 bp
RefSeq ORF:	2127 bp
Locus ID:	241950
UniProt ID:	<u>Q5SUD9</u>
Cytogenetics:	3 B
Gene Summary:	Component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of proteins upon ATP hydrolysis. As part of the TRiC complex may play a role in the assembly of BBosome, a complex involved in ciliogenesis regulating transports vesicles to the cilia. Involved in adipogenic differentiation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.