

Product datasheet for **MC222404**

Bbs9 (NM_181316) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bbs9 (NM_181316) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bbs9
Synonyms:	E130103I17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222404 representing NM_181316
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTTATTTAAAGCCCGTACTGGTGGTCTACTGTGTGGGAGAAAAAGAAGATTTGACCAGGGCT
 GCTTATGCTTGGCTGATGTGGACAACAGTGGGAACGGCCACGATAAAATCATTGTGGGCAGCTTCATGGG
 CTACCTGAGAATCTTTAGTCCCCATTCTGTAAAAGCTGGAGGTGGGCCTCAGGCTGAAGATTTACTTCTA
 GAAGTGCATCTGCGGGACCCAGTCTGCAAGTGGAAAGTGGGAAGTTTGTCTCGGGCACCAGATGCTTC
 ATCTGGCCGTGCTGCACTCCCGAAGCTCTGTGTCTACTCCGTCTCAGGGACATTGGGAAATGTGGAACA
 TGGAAACCAATATCAGATAAACTAATGTATGAGCACCATCTTCAGAGGACGGCCTGCAATATGACGTAT
 GGACCTTTGGTGGTGTAAAAGGTGGGATTTAATTTGTATCCAGTCTCTGGATGGGATGCTGATGGTGT
 TTGAGCAGGAAAGCTATGCGTTTGGGAGGTTTCCCTGGTTTTCTTCTGCCTGGCCCTCTTGCTTACAG
 TCCCCGCACGGATTCCCTCATAACTGTGTCTTCTTGCAGACAAGTGGAAAGTTACAAGTACCAGGACTT
 GCCTTTGCCACAGATGCAGACAAGAAGCAGGAGATGGAACAGCAAAAACCTGGTTCTGGAAGCGGCTAG
 TTGTGGACTGGACTCTGAATATTGGCGAGCAAGCCCTTGATATCTGTATCTTCCCTTTGAACCAATCTGC
 ATCTTCTGTTTTTGTCTTGGTGTAGAGAAACTCTTTTGCCTAAAGGATAATGGGCAGATTGATTCATG
 AAGAAGCTCGGTTATAACCCCAAGTTGTTTTCTACCGTACTGCTCAGTTTCTGAAGGTACAATAAATACTT
 TGATTGGAACCATAACCCATGCTGCATATTTACCAGGACGTGACACTGAAGTGGGCCACACAACCTCCC
 CCACGTCCCCGTGGCCGTGAGTAGGCTGTTTTCATGATTTGAAGGGAGTGATAGTGACTCTCAGTGAT
 GACGGTCACCTGCAGTGTCTGATCTGGGACAGACCTTCTTTGTTCCAGGCTCCAAAAGTTGAATCAA
 GAGACTCAACTATGATGAACCTGATGTGGAATTGAAAGAATTCAGAAAATCATCAAAGTCAAAAGTT
 GCAAGGTGTTTGGCCCTTGACTGAACAGGAAGATGACTTGAAAGTCTCTGCTTCAGTGTCTTACCCCTG
 GATTCTGTGTCTCAAGCCACCAATGTGGAACCTGGAGCTGACTCTGTCCCGTCCATCACAGTGAAGATTA
 CCCTGCAGAACCAGTGGTGTTCAGAAAGTCAAGCTGTCTATCTATGTGCAGCCTCCACTACAGTTGAC
 TTGTGATCAGTTCACCTTTGACTTCACGGTTCAGATATGACGAGTTCAGTAGCGTTTTCTGTGTACCTG
 AAGAGAACTACACACCATCCGAGTTAGAAGGAAATGCTGTTGTTTTCTACTCCAGACCGACAGGTATTC
 CTCGGGTTGTCCAATGTAATTTAGACTTCCTCTGAAACTGATTTGCCTACCTGGTCAGCCTTCAAAAAC
 TGCAAGCCACAACTAACTATAGACACCAACAAATCTCCTGTGAGTCTGCTCGGCTCTTCCAGACTTT
 GCCAACCCATCAGATGACGACCAAGTGAATGTAATGGGCTCCGCTCCTAGGAGCGCTCGAGTGACTC
 TTCTTGCTCCAGAACATCCCAACGATACCGCATTTCAGAGCGAACAGTTTGAAGATCTCTGGCTCATAAC
 CAATGAACCTCATCTCCGCTTCAGGAACATTTTGAAAAACAGGGAACCAAGACTTTTTCGTGTTCTTTT
 TCTGGGTGTGTGCCCTTCAAGAATATTTTGTGATTGATTGATCATATTTTGTGAGCTGCGGATAAATGGTA
 AAAAATTTGGAAGAATTTTATCTGAAAGAGCTGTACAATTTGGGGCCATTTCAGCGTCCGGCTTCTGACAAG
 ATTCAGAGACAAGACCCCTGCCCACTGCAGCACCTGGACACCCTGTGGACGGGACATAACAAGCAGGTG
 ATTGCTCTAGCAGATGCGATCGAGGAGAACCAGGACAGGCTGTTGCAGTCATTCTCAGGCCTGAAGAGTG
 CCACCCATTTGCTGATCCTGCTAATCAGGCTGTGGCAGAGGCTGAGCGCTGACCAGACTGCTATTTCTGGA
 AGCAGCATTTCTGCCACTACAGGAAGACACGACGAACTGGGCTGGGAAGAAACCGTGGATGCTGCCATT
 GCCTACCTTTTGAACCTGCCTGTGAAAGATTCCAAGGAGCAGGCTTTGAACCTCAGCAGGCCAACTGA
 ACATACCCAAAGATACCAGCCGGCTGAAGAAGCACATCACCTGTGTGTGATAGTTAGCCAAAGTGG
 GCGTCTCTGCGTGAGCACAGATGCAGCGGCCCGCAGGCCATGTTGTGCCAGGTGGCTGTACTCCAATC
 CCAGAGTCAGACCTAGAGGAAAGGTCACTAGATGACTCCACAGAGCTGTTTACCAACCACAAGCACCTCA
 TGACCGAGCCCCCATGCCTGAAGTCTCAGCCCCCAAGGAGTTTTGGAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_181316
Insert Size: 2643 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:	<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_181316.4 , NP_851833.2
RefSeq Size:	3382 bp
RefSeq ORF:	2643 bp
Locus ID:	319845
UniProt ID:	Q811G0
Cytogenetics:	9 A3
Gene Summary:	The BBSome complex is thought to function as a coat complex required for sorting of specific membrane proteins to the primary cilia. The BBSome complex is required for ciliogenesis but is dispensable for centriolar satellite function. This ciliogenic function is mediated in part by the Rab8 GDP/GTP exchange factor, which localizes to the basal body and contacts the BBSome. Rab8(GTP) enters the primary cilium and promotes extension of the ciliary membrane. Firstly the BBSome associates with the ciliary membrane and binds to RAB3IP/Rabin8, the guanosyl exchange factor (GEF) for Rab8 and then the Rab8-GTP localizes to the cilium and promotes docking and fusion of carrier vesicles to the base of the ciliary membrane. Required for proper BBSome complex assembly and its ciliary localization (By similarity).[UniProtKB/Swiss-Prot Function]