

Product datasheet for **RC221308**

BBS9 (NM_198428) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BBS9 (NM_198428) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BBS9
Synonyms:	B1; C18; D1; PTHB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC221308 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

 ATGCTCTTTATTTAAAGCCCGTGATTGGTGGTCTACTATTCTGGGAGATAAAGAAGAATTTGATCAAGGCT
GTTTGTGTCTGGCTAATGTTGACAATAGTGGAATGGACAAGATAAAATAATTGTGGGTAGCTTTATGGG
ATACCTAAGGATCTTTAGCCCCATCCTGCAAAAACAGGAGATGGAGCTCAAGCCGAAGATTTGCTTCTA
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ATTTGGCTGTGTACATTCTAGAAAACCTTGTGTCTACTCTGTCTCAGGAACCTTGGGTAATGTGGAACA
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TTCCCGTACAGATTCCTTCTTACTGTCTCTTCTGCCAACAAGTGGAAAGTTATAAGTACCAGGTACTT
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A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221308 protein sequence
Red=Cloning site Green=Tags(s)

MSLFKARDWWSTILGDKEEFDQGCLCLANVDNSNGNQDKIIVGSFMGYLRIFSPHPAKTGDGAQAEDLLL
EVDLRDPVLQVEVGKFSVSGTEMLHLAVLHSRKL CVYSVSGTLGNVEHGNQCMKLMYEHNLQRTACNMTY
GSFSGVKGRDLICIQSMDGMLMVFEQESYAFGRFLPGFLLPGPLAYSSRTDSFLTVSSCQQVESYKYQVL
AFATDADKRQETEQQKLGSGKRLVVDWTLNIGEQALDICIVSFNQSSASSVFLGERNFFCLKDNGQIRFM
KKLDWSPSCFLPYCSVSEGTINTLIGNHNNMLHIYQDVTLKWATQLPHIPVAVRVGCLHDLKGVIVTLD
DGHLQCSYLGTDPSLFQAPNVQSRELNYDELDMEMKELQKIIKDVNKSQGVWPMTEREDDLNVSVVSPN
FDSVSQATDVEVGTDLVPSVTVKVTLQNRVILQKAKLSVYVQPPELTCDOFTFEFMTPLTRTVSFSVY
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SLFPGFASQSDDDQVNMGFHFLGGARITVLASKTSQRYRIQSEQFEDLWLTNELILRLQEYFEKQGVK
DFACSGSGIPLQEYFELIDHHFELRINGEKLEELLSEAVQFRAIQRRLLARFKDKTPAPLQHLDTLLD
GTYKQVIALADAVEENQGNLFQSFTRLKSATHLVILLIALWQKLSADQVAILEAAFLPLQEDTQELGWEE
TVDAAI SHLLKTCLSKSSKEQALNLSQLNIPKDTSQLKKHITLLCDRLSKGGRLCLSTDAAPQTMVMP
GGCTTIPESDLEERSVEQDSTELFTNHRHLTAETPRPEVSPLQGVSE

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Chromatograms: https://cdn.origene.com/chromatograms/mk6689_h07.zip

Restriction Sites: SgfI-MluI

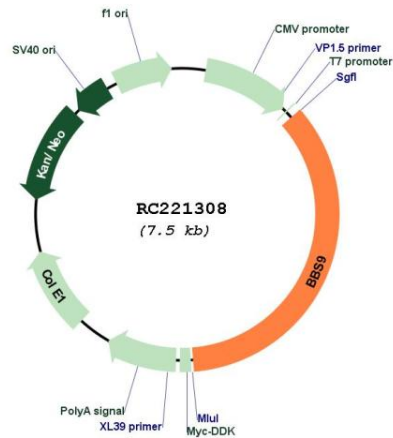
Cloning Scheme:



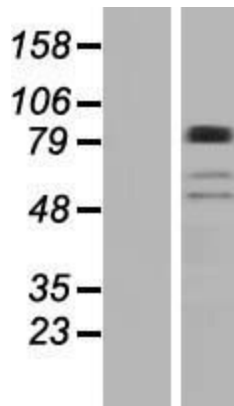
ACCN: NM_198428

ORF Size:	2661 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_198428.3
RefSeq Size:	4019 bp
RefSeq ORF:	2664 bp
Locus ID:	27241
UniProt ID:	Q3SYG4
Cytogenetics:	7p14.3
MW:	99.3 kDa
Gene Summary:	This gene is downregulated by parathyroid hormone in osteoblastic cells, and therefore is thought to be involved in parathyroid hormone action in bones. The exact function of this gene has not yet been determined. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jan 2017]

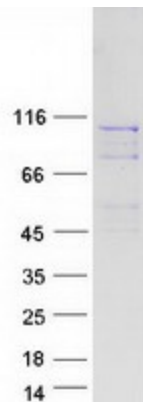
Product images:



Circular map for RC221308



Western blot validation of overexpression lysate (Cat# [LY404875]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221308 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BBS9 protein (Cat# [TP321308]). The protein was produced from HEK293T cells transfected with BBS9 cDNA clone (Cat# RC221308) using MegaTran 2.0 (Cat# [TT210002]).