

Product datasheet for **RG214489**

BBS1 (NM_024649) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	BBS1
Synonyms:	BBS2L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG214489 representing NM_024649
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCGCTGCGTCCTCATCGGATTCGACGCCTGCGGAGCTGAGAGCAATGAGGCCAATTCGAAGTGGT
 TGGATGCGCACTACGACCAATGGCCAATATCCACACCTTTCTGCCTGCCTAGCGCTGGCAGATTACAA
 TGGGGATGGGGAATACAAGCTGGTGGTAGGGGACCTTGGCCCTGGTGGGAGCAGAGCCCCGCCTGAAGGTG
 CTCAAAGGACCACTGGTGATGACCGAAAGCCCGCTACCTGCTCTGCCAGCTGCTGCTGCCACCTTCTCTCA
 TGGAGCAACATGAGCCCCGACCCAGCTCTGGCACTTGCTTCAGGCCCTTGCTGTATGTGTATAAGAA
 TCTCAGACCCCTACTTCAAGTTGAGCCTGCCCAATTGCCTCCAAATCCTCTGGAACAAGACCTTTGGAAC
 CAGGCCAAAGAGGACCGAATCGACCCCTTAACCTGAAGGAGATGCTGGAGAGCATCCGGGAGAGCGCAG
 AGGAGCCTTTGTCCATCCAGTCACTCAGGTTTCTGCAGCTGGAGCTAAGTGAAATGGAGGCATTTGTAAA
 CCAACACAAGTCCAATCCATCAAGCGGCAGACAGTCAACACCATGACCACCTTGAAGAAGAACCTG
 GCTGACGAGGATGCTGTCTTGCCTGGTCTGGGCACCGAGAAACAAGGAGCTCCTGGTGCTTGACCCCG
 AGGCCTTACCATTTTAGCCAAGATGAGCCTTCCAGCGTCCCGCTTCTCTAGAGGTTTCTGGCCAGTT
 TGATGTTGAGTTCGGCTTCCCGCGCCTGCCGCAATGGAACATCTATATTCTGAGAAGAGACTCCAAG
 CACCCCAAGTACTGCATCGAGCTGAGCGCCAGCCTGTGGGACTTATCCGGGTACACAAGGTCTAGTGG
 TGGGCAGACCCCAAGACAGCCTGCATGGCTTACCCACAAGGGGAAGAAGCTGTGGACAGTGCAGATGCC
 CGCAGCCATCCTGACCATGAACCTCCTGGAGCAGCATTCCCGGGGCTGCAGGCCGTCATGGCTGGGCTG
 GCCAATGGAGAGGTCCGCAATTTATCGTGACAAGGCCCTGCTCAATGTATCCACACCCCGGATGCAGTGA
 CCAGCCTTTGCTTTGGCCGGTACGGGCGGAGGACAACACCTCATCATGACCCTCGAGGTGGTGGCCT
 GATCATCAAGATCCTGAAGCGTACAGCAGTGTTTGTAGAGGGAGGAAGTGAAGTGGGTCCCCCACCAGCC
 CAGGCCATGAACTCAATGTGCCCCGAAAGACCCGGCTTTACGTGGATCAGACACTGCGAGAGCGGGAGG
 CTGGCACCGCCATGCACCGGCCTTCCAGACAGACCTATACCTGCTGCGCCTACGTGCTGCCCGCGCCTA
 CCTGCAGGCCCTCGAGTCCAGCCTGAGCCCTGTCCACGACAGCCGAGAGCCACTCAAGTGCACGCC
 GTGGTTTCAGGGCCTTGGCCCACTTTAAGCTCACACTTCACCTGCAGAACACCTCAACAACCCGCTCTG
 TCCTGGGGCTGCTGGTCTGCTTCTGTACAACGAGGCGCTCTATTCCCTGCCCGGGCCTTCTTCAAGGT
 ACCCTTGCTGGTGGCAGGGCTCAACTACCCCTGGAGACCTTTGTGGAGAGTCTCAGTAACAAGGGCATC
 TCAGACATCATCAAGGTGCTGGTCTTCGAGAAGGCCAAAGTGACCCCTGCTGAGTGCCACGTCACA
 TGCTGGGAGCGAGGGGCTGGCGGCCGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214489 representing NM_024649
 Red=Cloning site Green=Tags(s)

MAAASSSDSDACGAESNEANSKWLDHYDPMANIHTFSACLALADLHGDGEYKLVVVDLGPGGQQPRLKV
 LKGPLVMTESPLPALPAAATFLMEQHEPRTPALALASGPCVYVYKLNRPYKFSLPQLPPNPLEQDLWN
 QAKEDRIDPLTLKEMLESIRETAEPLSIQSLRFLQLELSEMAFVNQHSNSIKRQTVITMTTLKKNL
 ADEDAVSCLVLGTENKELLVLDPEAFTILAKMSLPSVPVFLEVSGQFDVEFRLAAACRNGNIYILRRDSK
 HPKYCIELSAQPVGLIRVHKVLVVGSTQDSLHGFTHKGKKLWTVQMPAAILTMNLLEQHSRGLQAYMAGL
 ANGEVRIYRDKALLNVIHTPDVTSFCFGRYGREDNTLIMTTRGGGLIIKILKRTAVFVEGGSEVGPPPA
 QAMKLNVPKRLRYVDQTLREREAGTAMHRAFQTDLYLLRLRAARAYLQALESSLPLSTTAREPLKLHA
 VVQGLGPTFKLTLHLQNTSTTRPVLGLLVCFLYNEALYSLPRAFFKVPLLVPLNPLETFVESLSNKG
 SDIIKVLVLRREGQSAPLLSAHVNMPGSEGLAAA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024649

ORF Size: 1779 bp

OTI Disclaimer: 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:

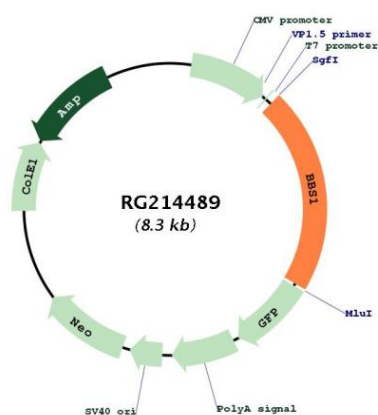
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_024649.5](#)

RefSeq Size:	3370 bp
RefSeq ORF:	1782 bp
Locus ID:	582
UniProt ID:	Q8NFJ9
Cytogenetics:	11q13.2
Gene Summary:	Mutations in this gene have been observed in patients with the major form (type 1) of Bardet-Biedl syndrome. The encoded protein may play a role in eye, limb, cardiac and reproductive system development. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG214489