

Product datasheet for **RG203968**

BEN Domain Containing Protein 5 (BEND5) (NM_024603) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BEN Domain Containing Protein 5 (BEND5) (NM_024603) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BEN Domain Containing Protein 5
Synonyms:	C1orf165
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203968 representing NM_024603 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGTCTAGAAGATGCTGTGGTGCCCGGGCTCTGTATGAGGAGCTGCTGCGCAACTACCAGCAGC
AACAGGAAGAGATGCGCCACCTCCAGCAGGAGCTGGAGCGGACTCGGAGGCAGCTGGTACAACAGGCCAA
GAAGCTCAAGGAGTACGGGGCACTTGTGTCTGAAATGAAGGAGCTCCGTGACCTTAACCGGAGGCTCCAG
GACGTGCTGCTCCTGAGGCTTGGCAGCGGTCCCGCCATTGATCTGAAAAAGTAAAGTCAGAATGTCTCG
AGCCCGAGCCGGAGTTACGGAGCACTTTCAGTGAGGAAGCAAATACGTCGTCCTATTACCCCGCTCCTGC
GCCTGTGCATGGACAAGTATATCCTAGACAATGGCAAGGTCCATCTGGGAAGCGGGATTTGGGTTGATGAG
GAGAAATGGCACCAGCTACAAGTAACCCAAGGAGATTCCAAGTACACGAAGAAGTTGGCAGTTATGATTT
GGGGAACAGATGTTCTGAAAAACAGAAGCGTCACAGGCGTCGCCACAAAAAAGAAAGATGCAGTCCC
TAAACCACCCCTCTCGCCTCACAACTAAGCATCGTCAGAGAGTGTGTTGATGACAGAATAGCACAAAGAA
ACTGTGGATGAACTGAAATTGCACAGAGACTCTCAAAGTCAACAAGTACATCTGTGAAAAATCATGG
ATATCAATAAATCCTGTAAAAATGAAGAACGAAGGAAGCAAAATACAATTTGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203968 representing NM_024603
 Red=Cloning site Green=Tags(s)

MDSLEDAVVPRALYEELLRNYQQQQEEMRHLQQELERTRRQLVQQAQKLKEYGALVSEMKELRDLNRRLQ
 DVLLLRGSGPAIDLEKVKSECLEPEPELRTSTFEEANTSSYPAPAPVMDKYILDNGKVHLGSGIWDVE
 EKWHQLQVTQGD SKYTKNLAVMIWGTDLKNRSVTGVATKKKDAVPKPPLSPHKL SIVRECLYDRIAQE
 TVDETEIAQRLSKVNKYICEKIMDINKSCKNEERREAKYNLQ

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024603

ORF Size: 756 bp

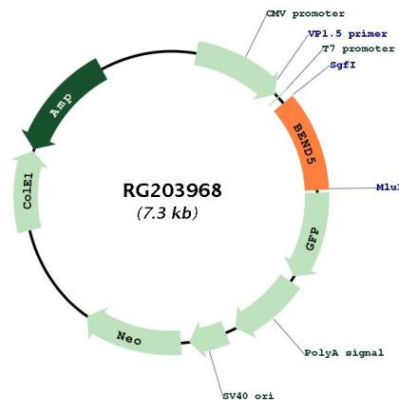
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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.
RefSeq:	<u>NM_024603.1, NP_078879.1</u>
RefSeq Size:	1781 bp
RefSeq ORF:	1266 bp
Locus ID:	79656
UniProt ID:	<u>Q7L4P6</u>
Cytogenetics:	1p33
Gene Summary:	Acts as a transcriptional repressor (PubMed:23468431).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203968