

Product datasheet for **RG236942**

BEN Domain Containing Protein 5 (BEND5) (NM_001302082) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BEN Domain Containing Protein 5 (BEND5) (NM_001302082) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BEND5
Synonyms:	C1orf165
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236942 representing NM_001302082. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACAGTCTAGAAGATGCTGTGGTGCCCCGGGCTCTGTATGAGGAGCTGCTGCGCAACTACCAGCAG
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CAGGACGTGCTGCTCCTGCCGCTTGGCAGCGTCCCGCCATTGATCTGGAAAAAGTAAAGTCAGAATGT
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GCACAAGAACTGTGGATGAAACTGAAATTGCACAGAGACTCTCCAAAGTCAACAAGTACATCTGTGAA
AAAATCATGGATATCAATAAATCCTGTAAAAATGAAGAACGAAGGGAAGCAAAATACAATTTGCAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236942
 Blue=ORF Red=Cloning site Green=Tag(s)

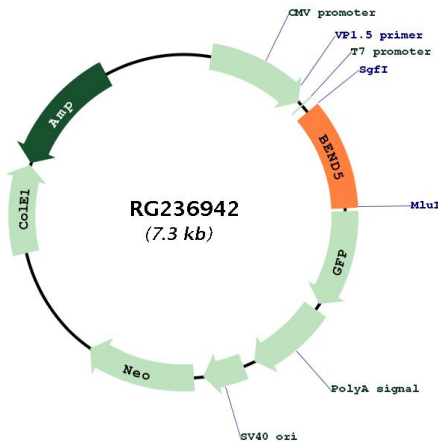
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 AQETVDETEIAQRLSKVNKYICEKIMDINKSCKNEERREAKYNLQ
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIQDFKVMGTGFPED
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001302082

ORF Size:	756 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).
RefSeq:	NM_001302082.1 , NP_001289011.1
RefSeq Size:	1863 bp
RefSeq ORF:	759 bp
Locus ID:	79656
UniProt ID:	Q7L4P6
Cytogenetics:	1p33
MW:	29.7 kDa
Gene Summary:	Acts as a transcriptional repressor (PubMed:23468431).[UniProtKB/Swiss-Prot Function]