

Product datasheet for **RG215913**

BEND3 (NM_001080450) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BEND3 (NM_001080450) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BEND3
Synonyms:	KIAA1553
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG215913 representing NM_001080450
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG215913 representing NM_001080450

Red=Cloning site Green=Tags(s)

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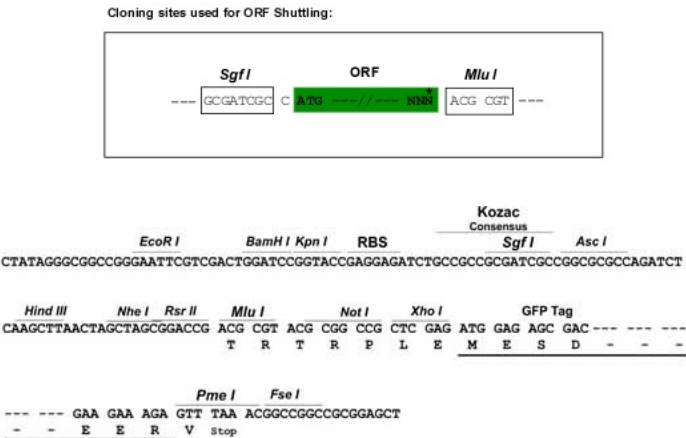
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K K N P P S G D L L N V Y E L F E K A N A S N S P S L R L L N E P Q K R D C G S T G A G T D N D P N I Y F L I Q K M F Y M L N T L T S N M
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Q L D P T R L R L I R H Y V E A V Y P V E K M E E V W H Y E C I P S I D E R C R R P N R K K C D I L K K A K K V E K
    
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TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:	NM_001080450
ORF Size:	2484 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.

RefSeq: [NM_001080450.2](#), [NP_001073919.1](#)

RefSeq Size: 6010 bp

RefSeq ORF: 2487 bp

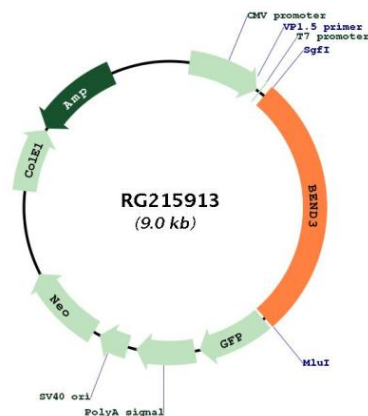
Locus ID: 57673

UniProt ID: [Q5T5X7](#)

Cytogenetics: 6q21

Gene Summary: Transcriptional repressor which associates with the NoRC (nucleolar remodeling complex) complex and plays a key role in repressing rDNA transcription. The sumoylated form modulates the stability of the NoRC complex component BAZ2A/TIP5 by controlling its USP21-mediated deubiquitination (PubMed:21914818, PubMed:26100909). Binds to unmethylated major satellite DNA and is involved in the recruitment of the Polycomb repressive complex 2 (PRC2) to major satellites (By similarity). Stimulates the ERCC6L translocase and ATPase activities (PubMed:28977671).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215913