

Product datasheet for RC215913L4

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

BEND3 (NM_001080450) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: BEND3 (NM_001080450) Human Tagged Lenti ORF Clone

Tag:mGFPSymbol:BEND3Synonyms:KIAA1553

Mammalian Cell Selection:

Puromycin

Vector:

pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC215913).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001080450

ORF Size: 2484 bp





BEND3 (NM_001080450) Human Tagged Lenti ORF Clone - RC215913L4

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: <u>NM 001080450.1</u>, <u>NP 001073919.1</u>

RefSeq Size: 6010 bp
RefSeq ORF: 2487 bp
Locus ID: 57673
UniProt ID: Q5T5X7
Cytogenetics: 6q21

MW: 94.3 kDa

Gene Summary: Transcriptional repressor which associates with the NoRC (nucleolar remodeling complex)

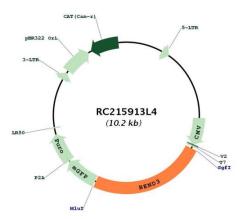
complex and plays a key role in repressing rDNA transcription. The sumoylated form

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 RC215913L4