

Product datasheet for **RG201421**

BRRN1 (NCAPH) (NM_015341) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRRN1 (NCAPH) (NM_015341) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BRRN1
Synonyms:	BRRN1; CAP-H; CAPH; MCPH23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG201421 representing NM_015341
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGACCTCCCGGCCAGCACTGCCAGCCACAATGAATAACTCTTCTCAGAGACGCGAGGACACCCCC
 ACAGTGCCTCCTCCTTCAGAGCGTGTGTTCCCGATGCCCTGCCAGGAAGGCGCCTCTCAATATTCC
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 CCTGGCAGAAGTGGCTGACGAGAAGATGCTTAGCGGGCTCACGAAGGACCTGCAGAGGAGCCTGCCCCCT
 GTCATGGCTCAGAACCTCTCCATACCTTGCTTTTGCCTGTCTCCTACATTTAGCCAATGAAAAGAATC
 TAAACTGGAAGGAACAGAGGACCTTTCTGATGTTCTTGTGAGGCAAGGAGAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG201421 representing NM_015341
 Red=Cloning site Green=Tags(s)

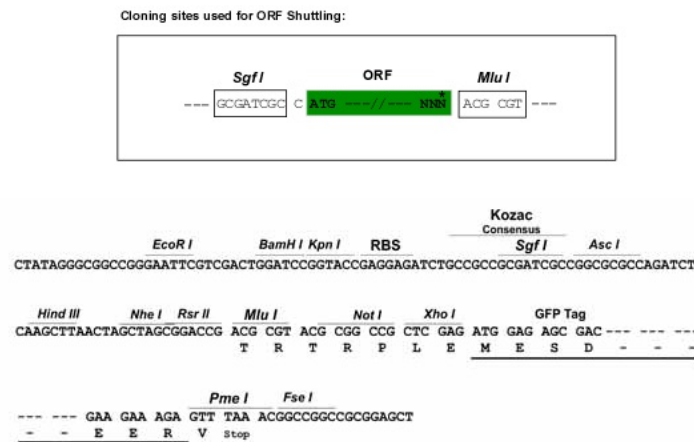
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VMAQNL SIPLAFACLLHLANEKNLKLEGTEDLSDVLRQGD
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015341

ORF Size: 2223 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_015341.1](#)

RefSeq Size: 4495 bp

RefSeq ORF: 2226 bp

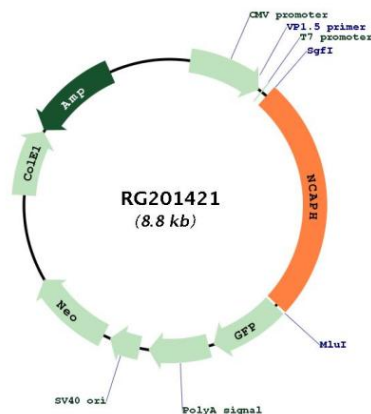
Locus ID: 23397

UniProt ID: [Q15003](#)

Cytogenetics: 2q11.2

Gene Summary: This gene encodes a member of the barr gene family and a regulatory subunit of the condensin complex. This complex is required for the conversion of interphase chromatin into condensed chromosomes. The protein encoded by this gene is associated with mitotic chromosomes, except during the early phase of chromosome condensation. During interphase, the protein has a distinct punctate nucleolar localization. Alternatively spliced transcript variants encoding different proteins have been described. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RG201421