

Product datasheet for **RC239430**

BRRN1 (NCAPH) (NM_001281710) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRRN1 (NCAPH) (NM_001281710) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRRN1
Synonyms:	BRRN1; CAP-H; CAPH; MCPH23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239430 representing NM_001281710
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGACCTCCCGGCCAGAGACGCGAGGACACCCACAGTGCCTCCTCTCCTCAGAGCGTGTGTTC
 CGATGCCCTGCCAGGAAGGCGCTCTCAATATTCTGGCACCCAGTCTCGAAGACTTCTCAGAA
 TGACGATGAGAAGGAGCGGCTGCAGCGGAGGCGCTCGAGGGTCTTTGATCTGCAGTTCAGCACTGACTCA
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 TTTGCCTGTCTCCTACATTTAGCCAATGAAAAGAACTAAAACTGGAAGGAACAGAGGACCTCTCTGATG
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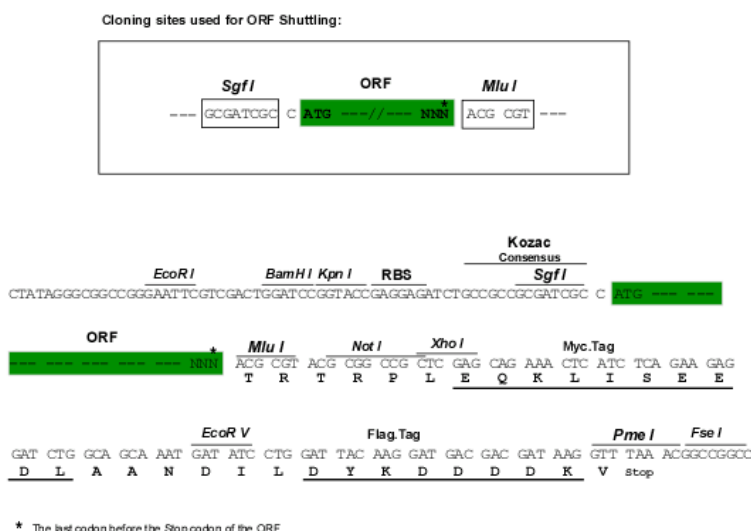
Protein Sequence: >RC239430 representing NM_001281710
Red=Cloning site Green=Tags(s)

MGPPGPETRGPHSASSPSERVFPMPLPRKAPLNIPGTPVLEDFPQNDEKERLQRRRSRVFDLQFSTDS
 PRLLASPSSRSIDISATIPKFTNTQITEHYSTCIKLSTENKITTKNAFGLHLIDFMSEILKQKDEPTNF
 KVAAGTLDASTKIYAVRVDVAHADVYRVLGGLGKDAPSLLEEVEGHVADGSATEMGTTKKAVKPKKKHLHR
 TIEQNINNLNVSEADRKCEIDPMFQKTAASFDECASTAGVFLSTLHCQDYRSELLFPSDVQTLSTGEPL
 PELGCVEMTDLKAPLQQAEDRQICPSLAGFQFTQWDETHNESVSALVDKFKKNQVFDINAEVDES
 DCGDFPDGSLGDDFDANDEPDHTAVGDHEEFRSWKEPCQVQSCQEEMISLGDGDIRTMCPLL
 SMKPGEYSYFSPRTMSMWAGPDHWRFRPRRKQDAPSQSENKKSTKKDFEIDFEDDIDFDVYFRKTAATIL
 TKSTLENQNWRAATLPTDFNYNVDTLVQLHLKPGTRLLKMAQGHRVETEHYEEIEDYDYNPNPNTS
 NFNCPGLQAADSDDELDLDFVQPVGNSLDSPYPCHPPKTAQONGDTPEAQGLDITTYGESNLVAEPQK
 VNKIEIHYAKTAKKMDMKKLKQSMWSLLTALSGKEADAENHREAGKEAALAEVADEKMLSGLTKDL
 QRSLLPPVMAQNL SIPLA
 FACILHLANEKNIKLEGTEDI SDVLVROGD

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 001281710

ORF Size: 2190 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001281710.2](#)

RefSeq Size: 6026 bp

RefSeq ORF: 2193 bp

Locus ID: 23397

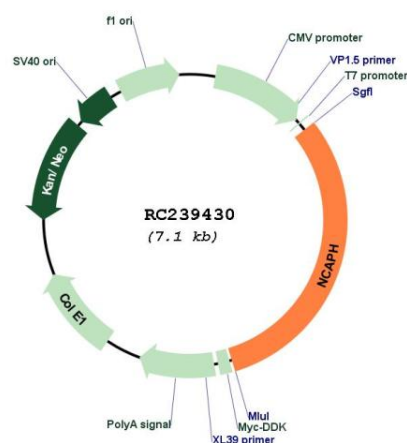
UniProt ID: [Q15003](#)

Cytogenetics: 2q11.2

MW: 81.9 kDa

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 RC239430