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Product datasheet for SC100677

BRRN1 (NCAPH) (NM_015341) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRRN1 (NCAPH) (NM_015341) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRRN1
Synonyms:	BRRN1; CAP-H; CAPH; MCPH23
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_015341, the custom clone sequence may differ by one or more nucleotides

ATGGGACCTCCCGGCCCAGCACTGCCAGCCACAATGAATAACTCTTCTTCAGAGACGCGAGGACACCCCC
ACAGTGCCTCCTCTCCTTCAGAGCGTGTGTTCCCGATGCCCCTGCCCAGGAAGGCGCCTCTCAATATTCC
TGGCACCCCAGTCCTCGAAGACTTTCCTCAGAATGACGATGAGAAGGAGCGGCTGCAGCGGAGGCGCTCG
AGGGTCTTTGATCTGCAGTTCAGCACTGACTCACCTCGCTTATTGGCCTCCCCCTCCAGCAGGAGTATTG
ACATTTCAGCTACTATCCCCAAGTTTACAAACACGCAGATTACGGAACATTACTCCACCTGTATCAAACT
GTCCACTGAAAATAAAATCACTACCAAGAATGCTTTTGGTTTGCACTTGATTGATTTTATGTCAGAGATT
CTTAAACAGAAAGACACCGAACCAACCAACTTTAAAGTGGCTGCGGGTACTCTGGATGCCAGCACCAAGA
TCTATGCTGTGCGCGTGGATGCCGTCCATGCCGATGTATACAGAGTCCTTGGGGGGCTGGGCAAAGATGC
ACCGTCTTTGGAAGAAGTAGAAGGCCATGTTGCTGATGGAAGTGCTACTGAAATGGGAACAACCAAAAAG
GCTGTAAAGCCAAAGAAGAAGCACTTACACAGAACTATTGAGCAGAACATAAACAACCTCAATGTCTCCG
AAGCAGATCGGAAGTGTGAGATTGATCCCATGTTTCAGAAGACAGCAGCCTCATTTGATGAGTGCAGCAC
AGCAGGGGTGTTTCTGTCCACTCTCCACTGCCAGGACTACAGAAGTGAACTGCTGTTTCCCTCTGATGTC
CAGACTCTCTCCACGGGAGAACCTCTCGAGTTGCCAGAGTTAGGTTGTGTAGAAATGACAGATTTAAAAG
CGCCCTTGCAGCAGTGTGCAGAAGATCGCCAGATCTGCCCTTCCCTGGCCGGGTTCCAGTTTACACAGTG
GGACAGTGAAACACATAATGAGTCTGTGTCGGCCCTGGTAGACAAGTTTAAGAAGAATGACCAGGTATTT
GACATCAATGCTGAAGTTGACGAGAGTGACTGTGGAGACTTCCCCGATGGGTCCCTGGGGGATGACTTTG
ATGCCAACGATGAACCTGACCACACCGCAGTTGGGGATCATGAAGAGTTCAGGAGCTGGAAGGAGCCCTG
CCAGGTTCAGAGCTGCCAGGAAGAAATGATTTCCCTTGGGGATGGAGACATCAGGACCATGTGCCCCCTT
CTGTCTATGAAACCTGGAGAATATTCTTATTTCAGTCCTCGGACCATGTCGATGTGGGCTGGCCCGGATC
ACTGGCGCTTTAGGCCTCGACGCAAACAAGATGCTCCTTCCCAATCAGAAAACAAAAAGAAGAGTACAAA
AAAAGATTTTGAAATTGACTTTGAAGATGATATTGACTTTGATGTATATTTTAGAAAAACAAAGGCTGCT
ACTATTCTGACCAAGTCCACTTTGGAGAACCAGAATTGGAGAGCTACCACCCTTCCTACAGATTTCAACT
ACAATGTTGACACTCTGGTCCAGCTTCACCTCAAACCAGGCACCAGGTTACTTAAGATGGCCCAGGGCCA
TAGGGTAGAGACTGAGCATTATGAAGAAATTGAAGACTATGATTACAACAACCCTAACGACACCTCCAAC
TTTTGCCCTGGATTACAGGCTGCTGACAGTGATGATGAAGATTTGGATGACTTATTTGTGGGACCTGTTG
GGAACTCTGACCTCTCACCTTATCCTTGCCATCCACCTAAGACAGCACAACAGAATGGTGACACTCCAGA
AGCCCAAGGATTAGACATCACAACATATGGGGAGTCAAACTTGGTAGCTGAGCCTCAGAAGGTAAATAAA
ATTGAAATTCACTATGCCAAGACTGCCAAAAAGATGGACATGAAGAAACTGAAGCAGAGCATGTGGAGTC
TGCTGACAGCGCTCTCCGGAAAGGAGGCAGATGCAGAGGCAAACCACAGGGAAGCTGGAAAAGAAGCGGC
CCTGGCAGAAGTGGCTGACGAGAAGATGCTTAGCGGGCTCACGAAGGACCTGCAGAGGAGCCTGCCCCCT
GTCATGGCTCAGAACCTCTCCATACCTCTGGCTTTTGCCTGTCTCCTACATTTAGCCAATGAAAAGAATC
TAAAACTGGAAGGAACAGAGGACCTCTCTGATGTTCTTGTGAGGCAAGGAGATTGA

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_015341 unedited
ACTCACTATTAGGGCGGCCGCGAATTCGCACGAGGGCCAAGGAAAGAGGGACCTCCCGGC
CCAGCACTGCCAGCCACAATGAATAACTCTTCTTCAGAGACGCGAGGACACCCCCACAGT
GCCTCCTCTCCTTCAGAGCGTGTGTTCCCGATGCCCCTGCCCAGGAAGGCGCCTCTCAAT
ATTCCTGGCACCCCAGTCCTCGAAGACTTTCCTCAGAATGACGATGAGAAGGAGCGGCTG
CAGCGGAGGCGCTCGAGGGTCTTTGATCTGCAGTTCAGCACTGACTCACCTCGCTTATTG
GCCTCCCCCTCCAGCAGGAGTATTGACATTTCAGCTACTATCCCCAAGTTTACAAACACG
CAGATTACGGAACATTACTCCACCTGTATCAAACTGTCCACTGAAAATAAAATCACTACC
AAGAATGCTTTTGGTTTGCACTTGATTGATTTTATGTCAGAGATTCTTAAACAGAAAGAC
ACCGAACCAACCAACTTTAAAGTGGCTGCGGGTACTCTGGATGCCAGCACCAAGATCTAT
GCTGTGCGCGTGGATGCCGTCCATGCCGATGTATACAGAGTCCTTGGGGGGCTGGGCAAA
GATGCACCGTCTTTGGAAGAAGTAGAAGGCCATGTTGCTGATGGAAGTGCTACTGAAATG
GGAACAACCAAAAAGGCTGTAAAGCCAAAGAANAAGCACTTACACAGAACTATTGAGCAG
AACATANACAACCTCAATGTCTCCGAAGCAGATCGGAGTGTGAGATTGATCCCATGGTTC
AGAAGACACAGCCTCTTTGATGAGTGCAGCCAGCAGGGGGGGTTCTGTCACTCTTCATGC
CCAGATACGA
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Restriction Sites: NotI-NotI

ACCN: NM_015341

Insert Size: 4130 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_015341.2, NP_056156.2

RefSeq Size: 6059 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.