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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RC219726 representing NM_001717
 Red=Cloning site Green=Tags(s)

MRRRPPSRGGRGAARARETRRQPRHRSRRMAEIASCTLNCSCQSFKPGKINHRQCDQCKHGWAHALSK
 LRIPPMYPTSQVEIVQSNVVFDISSMLLYGTQAI PVRLKILLDRLF SVLKQDEVLQILHALDWTLQDYIR
 GYVLQDASGKVL DHWSIMTSEEEVATLQQFLRFGETKSI VELMAIQEKEEQSIIIPPSTANVDIRAFIES
 CSHRSSSLPTPVDKGNPSSIHPFENLISNMTFMLPFQFFNPLPPALIGSLPEQYMLEQGHQDQSDPKQEV
 HGPFPDSSFLTSSSTPFQVEKDQCLNCPDAITKKEDSTHLSDSSSYNIVTKFERTQLSPEAKVKPERNSL
 GTKKGRVFCTACEKTFYDKGTLKIHYNAVHLKIKHKCTIEGCNMVFSRLSRNRHSANPNRPHMPMNRN
 NRDKDLRNSLNLASSENKCPGFTVTS PDCRPPPSYPGSGEDSKGQPAFPNIGQNGVLPNLKTVQPVLP
 FYRSPATPAEVANTPGILPSLPLLSSSIPEQLISNEMPFDALPKKSRKSSMPIKIEKEAVEIANEKHRN
 LSSDEDMPLQVVSEDEQEACSPQSHRVSEEQHVQSGGLGKPFPEGERPCHRESVIESSGAI SQTPEQATH
 NSERETEQTALIMVPREVEDGGHEHYFTPGMEQVVPFSDYMELQQRLLAGGLFSALSNRGMAFPCL EDS
 KELEHVQHALARQIEENRFQCDICKKTFKNACSVKIHKNMHVKEMHTCTVEGCNATFPSRRSRDRHSS
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 SLESYNSGPLSEGTLIDLSTTSSMKSESSSHSSWSDGVSEEGTVL MEDSDGNCEGSSLVPGEDEYPICV
 LMEKADQSLASLPSGLPITCHLCQKTYSNKGTFR AHYKTVHLRQLHKCKVPGCNTMFS SVRSRNRHSQNP
 NLHKSLASSPSHLQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8018_h05.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001717

ORF Size: 2982 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001717.4](#)

RefSeq Size: 4612 bp

RefSeq ORF: 2985 bp

Locus ID: 646

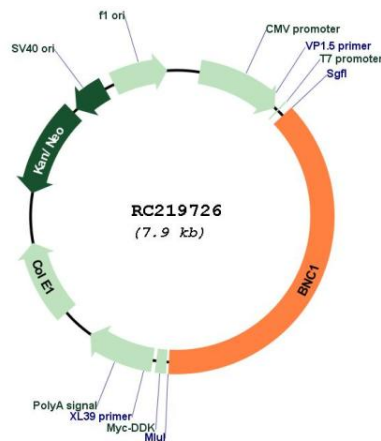
UniProt ID: [Q01954](#)

Cytogenetics: 15q25.2

MW: 110.8 kDa

Gene Summary: This gene encodes a zinc finger protein present in the basal cell layer of the epidermis and in hair follicles. It is also found in abundance in the germ cells of testis and ovary. This protein is thought to play a regulatory role in keratinocyte proliferation and it may also be a regulator for rRNA transcription. Disruption of this gene has been implicated in premature ovarian failure as well as testicular premature aging. [provided by RefSeq, Sep 2020]

Product images:



Circular map for RC219726