

## Product datasheet for **SC324703**

### **BANF1 (NM\_001143985) Human Untagged Clone**

#### Product data:

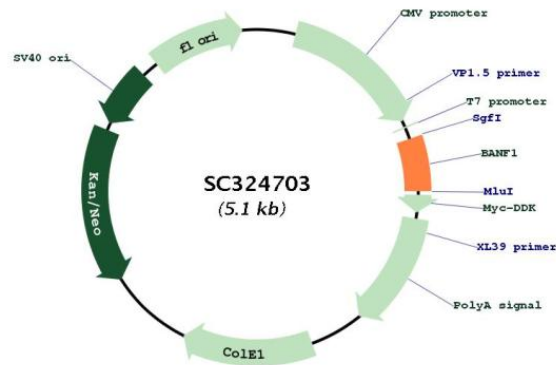
**Product Type:** Expression Plasmids  
**Product Name:** BANF1 (NM\_001143985) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** BANF1  
**Synonyms:** BAF; BCRP1; D14S1460; NGPS  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC324703 representing NM\_001143985.  
**Blue**=Insert sequence **Red**=Cloning site **Green**=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGACAACCTCCCAAAGCACCGAGACTTCGTGGCAGAGCCATGGGGGAGAAGCCAGTGGGAGCCTG
GCTGGGATTGGTGAAGTCTGGGCAAGAAGCTGGAGGAAAGGGTTTTGACAAGCCTATGTTGTCTT
GGCCAGTTTCTGGTGCTAAAGAAAGATGAAGACCTCTCCGGGAATGGCTGAAAGACACTGTGGCGCC
AACGCAAGCAGTCCCGGACTGCTTCGGATGCCTTCGAGAGTGGTGGCAGCCTTCTTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001143985

**Insert Size:** 270 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001143985.1](#)

**RefSeq Size:** 1122 bp

**RefSeq ORF:** 270 bp

**Locus ID:** 8815

**UniProt ID:** [O75531](#)

**Cytogenetics:** 11q13.1

**MW:** 10.1 kDa

**Gene Summary:** The protein encoded by this gene was first identified by its ability to protect retroviruses from intramolecular integration and therefore promote intermolecular integration into the host cell genome. The protein forms a homodimer which localizes to both the nucleus and cytoplasm and is specifically associated with chromosomes during mitosis. This protein binds to double stranded DNA in a non-specific manner and also binds to LEM-domain containing proteins of the nuclear envelope. This protein is thought to facilitate nuclear reassembly by binding with both DNA and inner nuclear membrane proteins and thereby recruit chromatin to the nuclear periphery. Alternative splicing results in multiple transcript variants encoding the same protein.[provided by RefSeq, Jan 2009]  
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.