

## Product datasheet for **TL320080**

### **BANF1 Human shRNA Plasmid Kit (Locus ID 8815)**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | shRNA Plasmids  |
| Product Name:             | BANF1 Human shRNA Plasmid Kit (Locus ID 8815)   |
| Locus ID:                 | 8815  |
| Synonyms:                 | BAF; BCRP1; D14S1460; NGPS  |
| Vector:                   | pGFP-C-shLenti (TR30023)  |
| E. coli Selection:        | Chloramphenicol (34 ug/ml)  |
| Mammalian Cell Selection: | Puromycin   |
| Format:                   | Lentiviral plasmids   |
| Components:               | BANF1 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 8815).<br>5µg purified plasmid DNA per construct<br>29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.   |
| RefSeq:                   | <a href="#">NM_001143985</a> , <a href="#">NM_003860</a> , <a href="#">NM_003860.1</a> , <a href="#">NM_003860.2</a> , <a href="#">NM_001143985.1</a> , <a href="#">BC005942</a> , <a href="#">BC005942.1</a> , <a href="#">BC107702</a> , <a href="#">BC008705</a> , <a href="#">NM_003860.4</a>   |
| UniProt ID:               | <a href="#">O75531</a>  |
| 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] |
| shRNA Design:             | These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .  |



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**Performance  
Guaranteed:**

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at [techsupport@origene.com](mailto:techsupport@origene.com). Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).