

Product datasheet for RC208893

BANF2 (NM_001014977) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BANF2 (NM_001014977) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BANF2
Synonyms: BAF-L; BAF2; BAFL; C20orf179
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC208893 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGACGACATGTCTCCAGGCTGAGAGCCTTCTCTCCGAACCCATTGGAGAAAAGGATGTCTGCTGGG
 TGGATGGCATCAGCCATGAGCTCGCGATCAATTTGGTCACCAAAGGTATCAATAAGGCCTACATCCTGCT
 GGGACAATTCCTTCTGATGCACAAGAATGAAGCCGAGTTTCAGAGGTGGCTCATTGCTGTTTTGGTGCC
 ACTGAGTGTGAGGCCAGCAGACTTCTCACTGCCTCAAGGAGTGGTGTGCCTGCTTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208893 protein sequence
 Red=Cloning site Green=Tags(s)
 MDDMSPRLRAFLSEPIGEKDVQWVDGISHELAINLVTKGINKAYILLGQFLLMHKNEAEFQRWLICCFGA
 TECEAQTSKCLKEWCACFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6548_g12.zip

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001014977

ORF Size: 270 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.

RefSeq: [NM_001014977.2](#)

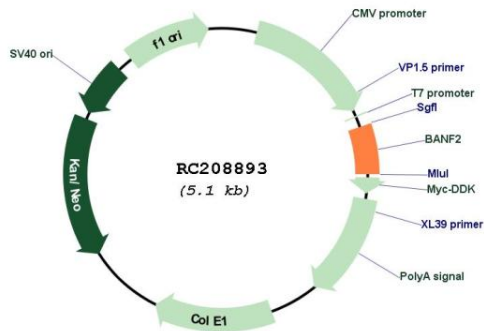
RefSeq Size: 466 bp

RefSeq ORF: 273 bp

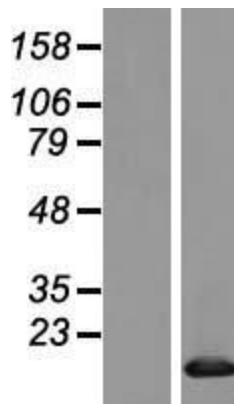
Locus ID: 140836

UniProt ID: [Q9H503](#)
Cytogenetics: 20p12.1
MW: 10.3 kDa
Gene Summary: May play a role in BANF1 regulation and influence tissue-specific roles of BANF1. [UniProtKB/Swiss-Prot Function]

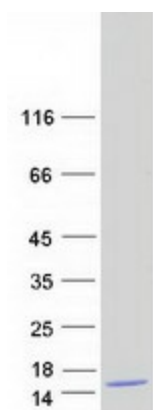
Product images:



Circular map for RC208893



Western blot validation of overexpression lysate (Cat# [LY405884]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC209388] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BANF2 protein (Cat# [TP308893]). The protein was produced from HEK293T cells transfected with BANF2 cDNA clone (Cat# RC208893) using MegaTran 2.0 (Cat# [TT210002]).