

Product datasheet for SC317709

BNIP2 (NM_004330) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BNIP2 (NM_004330) Human Untagged Clone
Tag:	Tag Free
Symbol:	BNIP2
Synonyms:	BNIP-2; NIP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317709 representing NM_004330. Blue=Insert sequence Red=Cloning site Green=Tag(s)

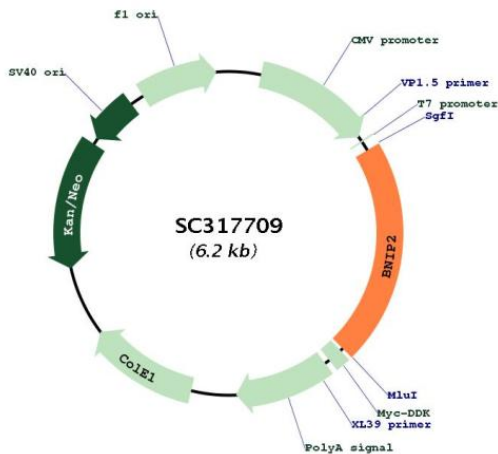
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CGGGCTCCGCTCGGCCCTGCTTTTTGCGACCTGGCCGTACGCCCCACGTCCGCCGCTGGAGGGGCAA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_004330

Insert Size: 1308 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_004330.3](#)

RefSeq Size: 6355 bp

RefSeq ORF: 1308 bp

Locus ID: 663

UniProt ID: [Q12982](#)

Cytogenetics: 15q22.2

Domains: SEC14

MW: 48.8 kDa

Gene Summary: This gene is a member of the BCL2/adenovirus E1B 19 kd-interacting protein (BNIP) family. It interacts with the E1B 19 kDa protein, which protects cells from virally-induced cell death. The encoded protein also interacts with E1B 19 kDa-like sequences of BCL2, another apoptotic protector. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]
Transcript Variant: This variant (2) lacks an exon in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1.