

Product datasheet for **SC125519**

BNIP2 (NM_004330) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	BNIP2
Synonyms:	BNIP-2; NIP2
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004330, the custom clone sequence may differ by one or more nucleotides

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ATGCTGTGTGGGTTTCAAGAAGACGCCACGCCTCCGCCGCCGCCACGCCCCGCCGCCTCCACGCCGGC
TGCCGCCGCCGGAGGAGGTGCGGATGTTCACTTCCGCCGGGGCTTCTCACTGTGTCCGGGTCACTGC
TGCCGCCGACGCCGTACCGCTGCGGCCGGGGGATTGGGCCGGGGTCTCCACGCCGACCGAGGGGAGCGG
GCTCCGCTCGGCCCTGCTTTTTGCGACCTGGCCGTGAGCCCCACGTCGCCGGCTGGAGGGGCGAAGAGG
ACGAGGGGGCCAAGGCTTCCTCCGGGGACATTGGCTCCCTGGATTATCAAGAGTTTGTAGTTGACATTGA
ATCCAGGCTGAGGATGGAAGGTGTGGAACCTAAAGAAGAATGGCAAGATGAAGATTTCCGATACCTTTA
CCAGAAGATGATGATTGAAGCAGATATACTAGCTATAACTGGACCAGAGGACCAGCCTGGCTCACTAG
AAGTTAATGAAAATAAAGTGAGAAAGAACTAATGGCTCCAGACATTAGCCTGACACTGGATCCTAGTGA
TGGCTCTGTATTGTCAGATGATTTGGATGAAAGTGGGGAGATTGACTTAGATGGCTTAGACACACCGTCA
GAGAATAGTAATGAGTTTGAGTGGGAAGATGATCTTCCAAAACCAAGACTACTGAAGTAATTAGGAAAG
GCTCAATTACTGAATACACAGCAGCAGAGGAAAAAGAAGATGGACGACGCTGGCGTATGTTCAAGATTGG
AGAACAGGACCACAGGGTTGATATGAAGCAATTGAACCTATAAAAAAGTTATCAGCCATGGGGGATAT
TATGGGGATGGATTAATGCCATTGTTGTGTTTGTCTGTCTGTTTCATGCCTGAAAGTAGTCAGCCTAACT
ATAGATACCTGATGGACAATCTTTTAAATATGTTATTGGCACTTTGGAGCTATTAGTAGCAGAAACTA
CATGATAGTTTATTTAAATGGTGCAACAACCTCGAAGAAAAATGCCAGTCTGGGATGGCTCAGGAAATGT
TATCAGCAAATTGATAGAAGGTTACGGAATAATCTAAATCCCTAATCATTGTACATCCTTCTTGTTTTA
TCAGAACACTTCTGGCTGTTACAAGACCTTTATTAGCTCGAAATTCAGCAAAAAATTAGATACGTGTT
TAATTTGGCAGAACTAGCAGAACTTGTCCCATGGAATACGTTGGCATAACCAGATGCATAAAACAAGTT
GATCAAGAAGCTAATGGAAAACAAGATGAACCGAAAAATGAACAGTAA

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5' Read Nucleotide
Sequence:

>OriGene 5' read for NM_004330 unedited
 TCGTCATTTGTATACGACTCCTATAGGCGCGCCGCAATTTCGCACGAGCGACGCCGTACC
 GCTGCGGCCGGGGATTGGCCGGGGTCTCCACCGCGACCGAGGGGAGCGGGCTCCGCT
 CGGCCCTGCTTTTTGCGACCTGGCCGTCAGCCCCACGTCGCCGGCTGGAGGGGCGAAGA
 GGACGAGGGGGCCAAAGCTTCTCCGGGACATTGGCTCCCTGGATTATCAAGAGTTTGT
 AGTTGACATTGAATCCAGGCTGAGGATGGAAGGTGTGGAACCTAAAGAAGAATGGCAAGA
 TGAAGATTTTCCGATACCTTTACCAGAAGATGATAGTATTGAAGCAGATATACTAGCTAT
 AACTGGACCAGAGGACCGCTGGCTCACTAGAAAGTTAATGGAAATAAAGTGAGAAAGAA
 ACTAATGGCTCCAGACATTATCCTGACACTGGATCCTAGTGATGGCTCTGTATTGTCAGA
 TGATTTGGATGAAAGTGGGAGATTGACTTATATGGCTTATACACACCGTCAGAGAATAG
 TAATGAGTTTGAGTGGGAAGATGATCTTCCAAAACCAAGACTACTGAAGTAATTAGGAA
 AGGCTCAATTACTGAATACACAGCAGCAGAGGAAAAAGAAAGATGGACGACGCTGGCGTAT
 GTTCATGATTGGAGAACAGGACCACAGGGTTGATATGAAGGCAATTGAACCTATAAAAA
 AGTTATCAGCCATGGGGATATTACTGGGGATGGATTAATGCCATTGNNTGTGTTTGCT
 AGTCTGTTTCATGCCTGANAGTAGTCAGCCCTACTATAGATACCTGATGGNACATCTTTC
 TAAATATGTATTGGCACTCTGGAGCTATTANTAGCAGAACTACATGATAGTCTATTGAA
 ATGGGGCANNNCACTCGATAATAATGCCCATNCTGGGATGGCTCAAGNAATGCTATCAGC
 AATTGGATAGACGCTACGGAATCTAAATCCCTATCATGACATCCNCTGG

3' Read Nucleotide
Sequence:

>OriGene 3' read for NM_004330 unedited
 NNGGCGCTTTTTTTGTTTGGCGGTCCAACCACATTTTCATTTCAATGTAAGTTCTACCG
 AATGAAACAGTTTATATGCTTGTAAACAACCTGTTATCCAAAACATCACACTATGATGATG
 CTAACACTTACAAAATTAACCTAATTTACAGTATTGCCAAACATGATTTACATCAACTT
 GAATAAACACCACATCTAACTAGGTCAAACAACCTACCGAGTTCAAATAATTGATATGGAA
 GTATTTTGGTAAAGTGCCCATATTGACAGTTAAAAAGCATCCCCTGTTTCTATAGAAA
 AAGTTGTGACAGTGAATAACTCATCACATTCTCTGCAATACTACTACCACTCATATACA
 CTCAGGGGAGCAATACCCTGGACACATAGCTTATTTACATTAGTGAACAACTCAAGAT
 TTTTATAAAGTTCTGACTTTGGGCCACAAGATAAAATGTCCCATATACATATATACAA
 ACCCTAATTCTACCTCTTAAATCCTCTAGTTCTAAAAATGGCTTTTTGACTTGCTTTT
 AAGTTTATAAAGGAAAAAGTGTGCAATGCGCTTGCATCTGACTTGCTGAACTATGAAAC
 AAATGTGTTAAATGAGAAAAAACCTTGGGATGGTACTAATACACTTCAATTATATACAC
 GATCTTTGTGATTTCATGACAATCAGCTTAACCATCTGTTGCCTTATGAATACTTAATC
 TCCTAAAGTACCCACGAAATGTATTTAACCATTTACCAAAACATAAATTTCTATATCCAC
 CATTACAAAACCTGGGTCTTATGTTTCCCGGACATTTTCTTCTTTAGCACAAAGGTAC
 CTCTCCCAAAATATTGCTCCACGACTATTAATAATTTCTTAATCTCTTTTCTCTGCTGC
 ACTTTATGCCTATCAATATTTACCCGACCAAAAG

Restriction Sites:

NotI-NotI

ACCN:

NM_004330

Insert Size:

2550 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).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_004330.1, NP_004321.1</u>
RefSeq Size:	2533 bp
RefSeq ORF:	945 bp
Locus ID:	663
UniProt ID:	<u>Q12982</u>
Cytogenetics:	15q22.2
Domains:	SEC14
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.