

Product datasheet for **SC117435**

BNIP3L (NM_004331) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: BNIP3L (NM_004331) Human Untagged Clone
Tag: Tag Free
Symbol: BNIP3L
Synonyms: BNIP3a; NIX
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004331 edited
 GAATTCGGCAGCGAGGCGGACTCGGCTTGTGTGTGCTGCCTGAGTGCCGGAGACGGTCC
 TGCTGCTGCCGAGTCCCTGCCAGCTGTCCGACGATGTCGTCCCACCTAGTCGAGCCGCCG
 CCGCCCCCTGCACAACAACAACAACAACACTGCGAGGAAAATGAGCAGTCTCTGCCCCCGCCG
 GCCGGCCTCAACAGTTCCTGGGTGGAGCTACCCATGAACAGCAGCAATGGCAATGATAAT
 GGCAATGGGAAAAATGGGGGGCTGGAACACGTACCATCCTCATCCTCCATCCACAATGGA
 GACATGGAGAAGATTCTTTGGATGCACAACATGAATCAGGACAGAGTAGTTCCAGAGGC
 AGTTCTCACTGTGACAGCCCTTCGCCACAAGAAGATGGGCAGATCATGTTTGATGTGAA
 ATGCACACCAGCAGGGACCATAGCTCTCAGTCAGAAGAAGAAGTTGTAGAAGGAGAGAAG
 GAAGTCGAGGCTTTGAAGAAAAGTGGGACTGGGTATCAGACTGGTCCAGTAGACCCGAA
 AACATTCCACCCAAGGAGTTCCTTCCAGACACCCTAAACGTTTCTGTGTCTTTAAGCATG
 AGGAAAAGTGGAGCCATGAAGAAAAGGGGTATTTTCTCCGAGAATTTCTGAAGGTGTT
 ATTCATCTCTCTTCTTCTCATGTTTTGGCTTTGGGGCTAGGCATCTATATTGAAAAG
 CGACTGAGCACACCCTCTGCCAGCACCTACTGAGGGAAAAGGAAAAGCCCTGGAAATGCG
 TGTGACCTGTGAAGTGGTGTATTGTACAGTAGCTTATTTGAACTTGAGACCATTGTAAG
 CATGACCAACCTACCACCCTGTTTTACATATCCAATCCAGTAACTCTCAAATTCAT
 ATTTTATCAAACCTCTGTTGAGGCATTTACTAACCTTATACCCTTTTGGCCTGAAGAC
 ATTTTAGAATTTCTAACAGAGTTTACTGTTGTTTAAAAATTTGCAAGGGCTTCTTTTCC
 GCAAATGCCACCAGCAGATTATAATTTTGTGAGCAATGCTATTATCTCTAATTAGTGCCA
 CCAGACTAGACCTGTATCATTCATGGTATAAATTTTACTCTTGCAACATAACTACCATCT
 CTCTCTTAAAAACGAGATCAGGTTAGCAAATGATGTAAAAGAAGCTTTATTGTCTAGTTGT
 TTTTTTCCCCCAAGACAAGGCAAGTTTCCCTAAGTTTGAGTTGATAGTTATTAATAAAG
 AAAACAAAAAATAAAAAAAAAAATACTCGAC



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004331 unedited
 GTTTTTCATTTGTATACGACTCATATAGGCGGCACGCGAATTCGCACGAGGCGGACTCGG
 CTTGTTGTGTGCTGCCTGAGTGCCGGAGACGGTCCTGCTGCTGCCGAGTCCTGCCAGC
 TGTCGGACGATGTCGTCCCACCTAGTCGAGCCGCCGCCGCCCTGCACAACAACAAC
 AACTGCGAGGAAAATGAGCAGTCTCTGCCCCGCCGCCGCCCTCAACAGTTCCTGGGTG
 GAGCTACCCATGAACAGCAGCAATGGCAATGATAATGGCAATGGGAAAAATGGGGGGCTG
 GAACAGTACCATCCTCATCTCCATCCACAATGGAGACATGGAGAAGATTCTTTTGGAT
 GCACAACATGAATCAGGACAGAGTAGTTCCAGAGGCAGTTCTCACTGTGACAGCCCTTCG
 CCACAAGAAGATGGGCAGATCATGTTTGTGTGAAATGCACACCAGCAGGGACCATAGC
 TCTCAGTCAGAAGAAGAGTTGTAGAAGGAGAGAAGGAAGTCGAGGCTTTGAAGAAAAGT
 GCGGACTGGGTATCAGACTGGTCCAGTAGACCCGAAAACATTCCACCCAAGGAGTCCAC
 TTCAGACACCCTAAACGTTCTGTGCTTTAAGCATGAGGAAAAGTGGAGCCATGAAGAAA
 GGGGGTATTTTCCGCAGAATTTCTGAAGGTGTTCCATCCATCTCTCTCTTTCTCAT
 GTTTTGGCTNTGGGGCTAGGCATCTATATTGGATAGCGACTGAGCACACCCTCTGCCAGC
 ACCTACTGAGGGATATGAAAAGCCCTGGAAATGCGTGTGACCTGTGAAGTGGTGTATTG
 TCACAGTAGCCTATTTGAACTTGAGACCATTGTAGCATGACCCANCCTACCACCCTGTTT
 TTACATATCCAATTGCCAGTACTCTCAAATTCATATTTTATTCAACTCTGGTGAGCATT
 TACA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004331 unedited
 TTTGGCCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGGTTTCTTTTTAA
 TAACTATCAACTCAAACCTAGGGGAAACTTGCCTTTGTCTTGGGGAAAAAAAACAATA
 GACAATAAAGCTTCTTTTACATCATTTGCTAACCTGATCTCGTTTTAAGAGAGAGATGGT
 AGTTATGTTGCAAGAGTAAAATTTATACCATGAATGATACAGGTCTAGTCTGGTGGCACT
 AATTAGAGATAATAGCATTGCTGACAAAATTAATCTGCTGGTGGCATTTCGCGAAAAG
 AAGCCCTTGCAATTTCTAAACAACAGTAAACTCTGTTAGGAAATTTAAAATGTCTTCA
 GGCCAAAAGGGTATAAGGTTAGTAAAATGCCTCAACAGAGTTTGAATAAAAATATTGAAT
 TTGAGAGTTACTGGAATTGGATATGTAACAAACAGGGTGGTAGGTTGGGTCATGCTTACAA
 TGGTCTCAAGTTCAAATAAGCTACTGTGACAATACACCACTTACAGGTCACACGCATTT
 CCAGGGGCTTTTCTTTCCCTCAGTAGGTGCTGGCAGAGGGTGTGCTCAGTCGCTTTCCA
 ATATAGATGCCTAGCCCCAAAGCCAAAACATGAGAAAAGGAAAGAGAGATGGGATGAACACC
 TTCAGAAAATCTGCGGAGAAAATACCCCTTTTCTCATGGCTCCACTTTTCTCATGCTT
 AAAGCACAGAACGTTTAGGGTGTCTGAAGTGGAACCTTGGNATGTTTCGGNTCTA
 CTGGNACAGTCTGATACCCATCCGCACTTTCTTCAAGNCTNGACTTCTTCTCTTCTA
 CACTNNTNTNTGACTGAAGCTATGGCCCTGCCTGGGGCATTTCATAAACATGACTGG
 CATCTTCTGGGC

Restriction Sites:

NotI-NotI

ACCN:

NM_004331

Insert Size:

1270 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.

RefSeq: [NM_004331.2](#), [NP_004322.1](#)

RefSeq Size: 3505 bp

RefSeq ORF: 660 bp

Locus ID: 665

UniProt ID: [O60238](#)

Cytogenetics: 8p21.2

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a protein that belongs to the pro-apoptotic subfamily within the Bcl-2 family of proteins. The encoded protein binds to Bcl-2 and possesses the BH3 domain. The protein directly targets mitochondria and causes apoptotic changes, including loss of membrane potential and the release of cytochrome c. [provided by RefSeq, Feb 2015]