

Product datasheet for **SC302991**

BNIP1 (NM_001205) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: BNIP1 (NM_001205) Human Untagged Clone
Tag: Tag Free
Symbol: BNIP1
Synonyms: NIP1; SEC20; TRG-8
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001205 edited
 ATGGCGGCTCCCCAAGACGTCCACGTCCGGATCTGTAACCAAGAGATTGTCAAATTTGAC
 CTGGAGGTGAAGCGCTTATTCAGGATATCCGTGATTGTTCCAGGACCCTTAAGTGCTCTT
 ACTGAACTGAATACTAAAGTAAAAGCGAAATTTCAACAGTTGCGTCACAGAATACAGGAC
 CTGGAGCAGTTGGCTAAAGAGCAAGACAAAGAATCAGAGAAACAACCTTCTACTCCAGGAA
 GTGGAGAATCACAAAAGCAGATGCTCAGCAATCAGGCCTCATGGAGGAAAGCTAATCTC
 ACCTGCAAAATTGCAATCGACAATCTAGAGAAAGCAGAACTTCTCAGGGAGGAGATCTC
 TTAAGGCAAAGGAAAACCACCAAAGAGAGCCTGGCCCAGACATCCAGTACCATCACTGAG
 AGCCTCATGGGGATCAGCAGGATGATGGCCCAGCAGGTCCAGCAGAGCGAGGAGGCCATG
 CAGTCTCTAGTCACTTCTTCACGAACGATCCTGGATGCAAATGAAGAATTTAAGTCCATG
 TCGGGCACCATCCAGCTGGGCCGAAGCTTATCACAAAATACAATCGCCGGGAGCTGACG
 GACAAGCTTCTCATCTTCTTGCCTAGCCCTGTTTCTTGCTACGGTCCCTATATTGTG
 AAAAAGCGGCTCTTTCCATTTTTGTGAGATCCCAAAGGTGCCAGTTCTGGCCCTTTCAGC
 TCCTGTTTCAGGATCTGTCTGTTCTGAGCTTAGGCTGCTAAGCTGAGCCACACACC
 CCTCCGTTTTGCACCAAGTTGCCTGCAGTTGGATGGAACACAGTGCCCCACTTTTCTGCA
 AGTAGCTGGCTTGTAAAGGTGAACAGAGCCATGGGAGGAAGGTCTGGCATTGGGATGCC
 GCCCTGGGGACATACGAACCGCTCCTTCCACCATTTGTCACTATGGGAGGCCGCTGCTG
 CGTGGAGCACTTAAAGTCCAGCTCCAGGACCGGATGCCCTCCTGTCTCCCGCTCCCAT
 CGTGCCCTTAAATGCCAGATCTGGTGGAGGGAAGAGAGAAGAGGTAGGAAGAAAGGTGAT
 GAAAACCTCTGGTCATTCTTGAATAAACTTGATTTTTTTTTTAATAGAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001205 unedited CGGCACGNAGGATGNNGCGGCTCCCAAACGTCCACGTCCGGCTCTGTAACCAAAAGAT TGTCAAATTTGACCTGGAGGTGAAGGCGCTTATTCAGGATATCCGTGATTGTTTCAGGACC CTTAAGTGCTCTTACTGAACTGAATACTAAAGTAAAAGCGAAATTTCAACAGTTGCGTCA CAGAATACAGGACCTGGAGCAGTTGGCTAAAGAGCAAGACAAAGAATCAGAGAAACAAC TCTACTCCAGGAAGTGGAGAATCACAAAAGCAGATGCTCAGCAATCAGGCCTCATGGAG GAAAGCTAATCTCACCTGCAAAATTGCAATCGACAATCTAGAGAAAGCAGAACTTCTTCA GGGAGGAGATCTCTTAAGGCAAAGGAAAACCAAGAGAGCCTGGCCAGACATCCAG TACCATCACTGAGAGCCTCATGGGGATCAGCAGGATGATGGCCAGCAGGTCCAGCAGAG CGAGGAGGCCATGCAGTCTCTAGTCACTTCTTACGAACGATCCTGGATGCAAATGAAGA ATTTAAGTCCATGTCGGGCACCATCCAGCTGGGCCGGAAGCTTATCACAAAATACAATCG CCGGGAGTGTACGGACAAGCTTCTCATCTTCTTGCGCTAGCCCTGTTTCTTGCTACGGT CCTCTATATTGTGAAAAGCGGCTCTTCCATTTTGTGAGATCCCAAAGGTGCCAGTTC TGGCCCTTTCAGCTCCTGTTTCAGGATCTGTCTGTTCTGAGCTCTAGGCTGCTAAGC TGAGCCACACCCCTCCGTTTGCACCAGTTGNCCTGCAGTTGGATGGAACACAGTGCC CACTTTNTCTGCAGTAGCT
Restriction Sites:	Please inquire
ACCN:	NM_001205
Insert Size:	1200 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001205.1</u> , <u>NP_001196.1</u>
RefSeq Size:	1100 bp
RefSeq ORF:	687 bp
Locus ID:	662
UniProt ID:	<u>Q12981</u>
Cytogenetics:	5q35.1
Protein Families:	Druggable Genome, Transmembrane

Protein Pathways: SNARE interactions in vesicular transport

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. In addition, this protein is involved in vesicle transport into the endoplasmic reticulum. Alternative splicing of this gene results in four protein products with identical N- and C-termini. [provided by RefSeq, Mar 2011]
Transcript Variant: Transcript variant BNIP1 contains the entire coding region of the gene. This variant contains a fully conserved BH3 domain, which has been associated with pro-apoptotic function.