

## Recombinant Human BNIP1 protein, His-tagged

**Cat. No.** BNIP1-6755H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human BNIP1 protein(1-228 aa), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-228 aa                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| <b>AASequence</b>       | MAAPQDVHVRICNQEIVKFDLEVKALIQDIRDCSGPLSALTELNTKVKEKFQQLRHRI<br>QDLEQLAKEQDKSEKQLLLQEVENHKKQMLSNQASWRKANLTCKIAIDNLEKAELL<br>QGGDLLRQRKTTKESLAQTSSTITESLMGISRMMAQQVQQSEEAMQSLVTSSRTILD<br>ANEEFKSMSGTIQLGRKLITKYNRRELTDKLLIFLALALFLATVLYIVKKRLFPFL                                                                                                                              |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                                                                        |

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**Reconstitution**

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

**GENE INFORMATION**

**Gene Name** [BNIP1 BCL2/adenovirus E1B 19kDa interacting protein 1 \[ Homo sapiens \]](#)

**Official Symbol** [BNIP1](#)

**Synonyms** BNIP1; BCL2/adenovirus E1B 19kDa interacting protein 1; BCL2/adenovirus E1B 19kD interacting protein 1; vesicle transport protein SEC20; Nip1; SEC20; transformation-related gene 8 protein; BCL2/adenovirus E1B 19 kDa protein-interacting protein 1; NIP1; TRG-8;

**Gene ID** [662](#)

**mRNA Refseq** [NM\\_001205](#)

**Protein Refseq** [NP\\_001196](#)

**MIM** [603291](#)

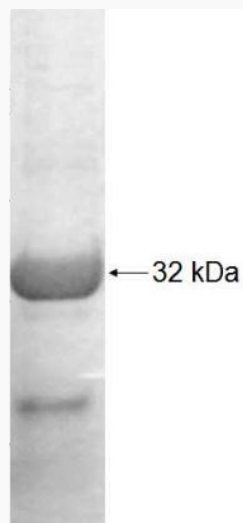
**UniProt ID** [Q12981](#)

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**SDS-PAGE**



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