

# Product Information

## **MemDX™ Membrane Protein Human BNIP3 (BCL2 interacting protein 3) Expressed *in vitro* *E.coli* expression system, Full Length**

Cat. No.: **MPX1322K**

This product is for research use only and is not intended for diagnostic use.

This product is a Human BNIP3 membrane protein expressed *in vitro* *E.coli* expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

BNIP3

#### Protein Length

Full Length

#### Protein Class

Receptor

#### TMD

1

#### Sequence

MSQNGAPGMQEESLQGSWVELHFSNNGNGGSPASVSIYNGDMEKILLDAQHESGRSSSKSSHCDSPPRSQTPQDTNRASETDT

### Product Description

#### Expression Systems

*in vitro* *E.coli* expression system

#### Tag

10xHis tag at the N-terminus

#### Protein Format

Soluble

#### Form

Liquid or Lyophilized powder

#### Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### **Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

### **Target**

#### **Target Protein**

BNIP3

#### **Full Name**

BCL2 interacting protein 3

#### **Introduction**

This gene encodes a mitochondrial protein that contains a BH3 domain and acts as a pro-apoptotic factor. The encoded protein interacts with anti-apoptotic proteins, including the E1B 19 kDa protein and Bcl2. This gene is silenced in tumors by DNA methylation.

#### **Alternative Names**

BNIP3; NIP3; BCL2/adenovirus E1B 19 kDa protein-interacting protein 3; BCL2/adenovirus E1B 19kDa interacting protein 3; BCL2/adenovirus E1B interacting protein 3; nineteen kD interacting protein-3; BCL2 interacting protein 3

#### **Gene ID**

[664](#)

#### **UniProt ID**

[Q12983](#)