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**Product Data Sheet**


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Product Name: BNIP1 Human  
 Cat. No.: GP22889  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BCL2/Adenovirus E1B 19kDa Interacting Protein 1; NIP1; BCL2/AdenovirusE1B 19 KDa Protein-Interacting Protein 1; Transformation-Related Gene 8Protein; TRG-8; BCL2/Adenovirus E1B 19kD-Interacting Protein 1; VesicleTransport Protein SEC20; SEC20L; SEC20; Vesicle transport protein SEC20.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAAPQDV HVRICNQEIV KFDLEVKALI QDIRDCSGPL SALTELNTKVKEKFQQLRHR IQDLEQLAKE QDKESEKQLL LQEVENHKKQ MLSNQASWRK ANLTCKIAID NLEKAELLQGGDLLRQRKTT KESLAQTSST ITESLMGISR MMAQQVQQSEEMQSLVTSS RTILDANEEF KSMSTIQLG RKLITKYNRR EL.		
Formulation	BNIP1protein solution (1.0 mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.		

**Introduction**

BNIP1 belongs to the of the BCL2/adenovirus E1B 19 kd-interactingprotein (BNIP) family. BNIP1 interacts with the E1B 19 kDa protein, which defendscells from virally-induced cell death. In addition, BNIP1 interacts with E1B 19kDa-like sequences of BCL2 which is an additional apoptotic protector. Addingup, BNIP1 is implicated in vesicle transport into the endoplasmic reticulum.Alternative splicing results of BNIP1 in four protein products with identicalN- and C-termini have been found.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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### Background

BNIP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 222 amino acids (1-199 a.a) and having a molecular mass of 25.2kDa. BNIP1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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