

Recombinant Rat Bnip3 protein, His & GST-tagged

Cat. No. Bnip3-1684R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Bnip3 aa. (Gln3~Ala134 (Accession # Q9ET45)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Gln3~Ala134
Description	Heterodimerizes and antagonizes the activity of prosurvival proteins (Bcl-2, Bcl-XL) and promotes apoptosis; provokes mitochondrial defects and cell death of ventricular myocytes during hypoxia.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 45.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h,

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and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	5.4

GENE INFORMATION

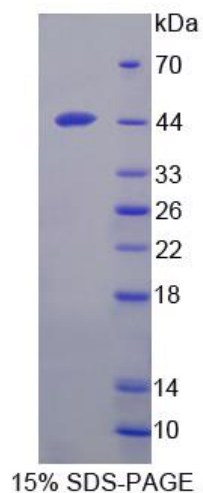
Gene Name	Bnip3 BCL2 interacting protein 3 [Rattus norvegicus (Norway rat)]
Official Symbol	Bnip3
Synonyms	Bnip3; BCL2 interacting protein 3; BCL2/adenovirus E1B 19 kDa protein-interacting protein 3; BCL2/adenovirus E1B 19 kDa-interacting protein 3; BCL2/adenovirus E1B interacting protein 3
Gene ID	84480
mRNA Refseq	NM_053420.3
Protein Refseq	NP_445872.1
UniProt ID	Q9ET45

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SDS-PAGE



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