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## Datasheet for ABIN7317369 BNIP3L/NIX Protein



Overview

Quantity:	100 µg
Target:	BNIP3L/NIX (BNIP3L)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Product Details	
Purpose:	Recombinant Human BNIP3L Protein
Sequence:	Ser 2-Lys 187
Characteristics:	A DNA sequence encoding the human BNIP3L (NP_004322.1) (Ser 2-Lys 187) was expressed and purified, with additional two amino acids (Gly & Pro) at the N-terminus.
Purity:	> 88 % as determined by reducing SDS-PAGE.

## Target Details

Target:	BNIP3L/NIX (BNIP3L)
Alternative Name:	BNIP3L (BNIP3L Products)
Background:	Background: The deletion of BNIP3L results in retention of mitochondria during lens fiber cell
	remodeling, and that deletion of BNIP3L also results in the retention of endoplasmic reticulum
	and Golgi apparatus. BNIP3L localizes to the endoplasmic reticulum and Golgi apparatus of
	wild-type newborn mouse lenses and is contained within mitochondria, endoplasmic reticulum
	and Golgi apparatus isolated from adult mouse liver. As the cells become packed with keratin

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## Target Details

	bundles, Bnip3L expression triggers mitophagy to rid the cells of the last remaining 'living' characteristic, thus completing the march from 'living' to 'dead' within the hair follicle. during retinal development tissue hypoxia triggers HIF1A/HIF-1 stabilization, resulting in increased expression of the mitophagy receptor BNIP3L/NIX. BNIP3L-dependent mitophagy results in a metabolic shift toward glycolysis essential for RGC neurogenesis. BNIP3L could be a potential therapeutic target for ischemic stroke Synonym: BNIP3a,NIX
Molecular Weight:	20.4 kDa
Pathways:	Autophagy
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, 150 mM NaCl, 1 mM DTT, pH 8.0
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.