Datasheet for ABIN7504929

BIM Protein (AA 1-120) (His tag)

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Overview

Quantity:	100 µg
Target:	BIM (BCL2L11)
Protein Characteristics:	AA 1-120
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This BIM protein is labelled with His tag.

Product Details

Sequence:	Met1-Arg120
Characteristics:	Recombinant Human Bcl-2-like Protein 11 is produced by our E.coli expression system and the target gene encoding Met1-Arg120 is expressed with a 6His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	<1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	BIM (BCL2L11)
Alternative Name:	BIM (BCL2L11 Products)
Background:	Abbreviation: BIM,BCL2L11 Target Synonym: Bcl-2-like protein 11,Bcl2-L-11,Bcl2-interacting mediator of cell death,BCL2L11,BIM,BIML

Target Details

	Background: BIML is one of several splice variants of BIM, a proapoptotic protein belonging to the BH-3 domain-only subgroup of Bcl-2 family members. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. BIML is thought to promote apoptosis by binding and inhibiting the activity of anti-apoptotic Bcl-2 family members, thereby inducing the release of cytochrome c from mitochondria. BIML is normally sequestered in an inactive conformation from anti-apoptotic Bcl-2 family members through binding to the microtubule-associated dynein motor complex. Certain apoptotic stimuli release BIML from microtubules to neutralize anti-apoptotic Bcl-2 family members, allowing for the initiation of apoptosis.
Molecular Weight:	Calculated MW: 15 kDa Observed MW: 15-18 kDa
UniProt:	O43521-2
Pathways:	PI3K-Akt Signaling, Neurotrophin Signaling Pathway, Tube Formation, Positive Regulation of Endopeptidase Activity

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4., 5 % trehalose, 5 % mannitol, 0.01 % tween-80. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
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.
Expiry Date:	12 months