

Product datasheet

Recombinant Human Bim protein (denatured)  
 ab130020

1 Image

Description

<b>Product name</b>	Recombinant Human Bim protein (denatured)
<b>Purity</b>	> 80 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<a href="#">O43521-2</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<p><b>MGSSHHHHHH SSGLVPRGSH MGSHEMAKQPS</b>            DVSSECDREG RQLQPAERPP QLRPGAPTSL            QTEPQDRSPA PMSCDKSTQT PSPPCQAFNH            YLSAMASMRQ AEPADMRPEI WIAQELRRIG            DEFNAYYARR VFLNNYQAAE DHPRMVILRL            LRYVRLVWR MH</p>
<b>Predicted molecular weight</b>	19 kDa including tags
<b>Amino acids</b>	1 to 138
<b>Tags</b>	His tag N-Terminus
<b>Description</b>	Recombinant Human Bim protein

Specifications

Our [Abpromise guarantee](#) covers the use of **ab130020** in the following tested applications.  
 The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Liquid

Preparation and Storage

## Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 12.01% Urea, 0.08% DTT, 0.32% Tris HCl, 20% Glycerol, 1.75% Sodium chloride

## General Info

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### Function

Induces apoptosis. Isoform BimL is more potent than isoform BimEL. Isoform Bim-alpha1, isoform Bim-alpha2 and isoform Bim-alpha3 induce apoptosis, although less potent than the isoforms BimEL, BimL and BimS. Isoform Bim-gamma induces apoptosis.

### Tissue specificity

Isoform BimEL, isoform BimL and isoform BimS are the predominant isoforms and are ubiquitously expressed with a tissue-specific variation. Isoform Bim-gamma is most abundantly expressed in small intestine and colon, and in lower levels in spleen, prostate, testis, heart, liver and kidney.

### Sequence similarities

Belongs to the Bcl-2 family.

### Domain

The BH3 motif is required for Bcl-2 binding and cytotoxicity.

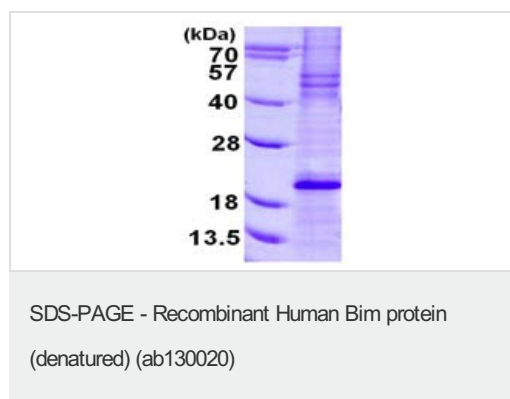
### Cellular localization

Mitochondrion and Endomembrane system. Associated with intracytoplasmic membranes.

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## Images

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15% SDS-PAGE analysis of ab130020 (3 µg).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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