

## Product datasheet

# Recombinant human FGF16 protein ab9865

### Overview

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<b>Product name</b>	Recombinant human FGF16 protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli

### Amino Acid Sequence

<b>Species</b>	Human
<b>Sequence</b>	MAEVGGVFASL DWDLHGFSSS LGNVPLADSP GFLNERLGQI EGKLQRGSPT DFAHLKGILR RRQLYCRTGF HLEIFPNGTV HGTRHDHSRF GILEFISLAV GLISIRGVDS GLYLG MNERG ELYGSKKLTR ECVFREQFEE N WYNTYASTL YKHSDSERQY YVALNKDGSP REGYRTRRHQ KFTHFLPRPV DPSKLPMSR DLFHYR
<b>Molecular weight</b>	24 kDa

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab9865** 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 Functional Studies
<b>Endotoxin level</b>	< 0.100 Eu/μg
<b>Form</b>	Lyophilised
<b>Additional notes</b>	Human FGF-16 is fully biologically active when compared to standards. The ED50 as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is < 0.5 ng/ml, corresponding to a specific activity of > 2 x 10 <sup>6</sup> units/mg For most in vitro applications, FGF-16 exerts its biological activity in the concentration range of 0.1 to 20.0 ng/ml.

## Preparation and Storage

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<b>Stability and Storage</b>	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.  n/a  This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	Please reconstitute this product in 50ul water. Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary.

## General Info

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<b>Function</b>	Plays an important role in the regulation of embryonic development, cell proliferation and cell differentiation, and is required for normal cardiomyocyte proliferation and heart development.
<b>Sequence similarities</b>	Belongs to the heparin-binding growth factors family.
<b>Cellular localization</b>	Secreted.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

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