

# Recombinant human FGF16 protein ab9865

### Description

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<b>Product name</b>	Recombinant human FGF16 protein
<b>Biological activity</b>	Determined by dose-dependent ability to reduce tetrazolium salt, WST-8, by dehydrogenase activities of BaF3 cells expressing FGF receptors using Cell Counting Kit-8 (CCK-8).
<b>Purity</b>	> 95 % SDS-PAGE. Endotoxin level is less than 0.1 ng per g (1EU/g).
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	MAEVGGVFASL DWDLHGFSSS LGNVPLADSP GFLNERLGQI EGKLQRGSPT DFAHLKGILR RRQLYCRTGF HLEIFPNGTV HGTRHDHSRF GILEFISLAV GLISIRGVDS GLYLG MNERG ELYGSKKLTR ECVFREQFEE NWYNTYASTL YKHSDSERQY YVALNKDGSP REGYRTRKHQ KFTHFLPRPV DPSKLPMSR DLFHYR
<b>Predicted 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>Form</b>	Lyophilized
<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.  This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	For initial reconstitution, please reconstitute this product in water to 0.1 - 1 mg/mL. Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary.
<b>General Info</b>	
<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.

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

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### **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 <https://www.abcam.com/abpromise> or contact our technical team.

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### **Terms and conditions**

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