

Product datasheet

Recombinant human FGF16 protein ab9865

Overview

Product name	Recombinant human FGF16 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Species	Human
Sequence	MAEVGGVFASL DWDLHGFSSS LGNVPLADSP GFLNERLGQI EGKLQRGSPT DFAHLKGILR RRQLYCRTGF HLEIFPNGTV HGTRHDHSRF GILEFISLAV GLISIRGVDS GLYLG MNERG ELYGSKKLTR ECVFREQFEE NWyNTYASTL YKHSDSERQY YVALNKDGSP REGYRTRHQ KFTHFLPRPV DPSKLPSMSR DLFHYR

Molecular weight	24 kDa
-------------------------	--------

Specifications

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.

Biological activity	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).
----------------------------	---

Applications	SDS-PAGE Functional Studies
---------------------	--------------------------------

Form	Lyophilised
-------------	-------------

Additional notes	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 ⁶ 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

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.

n/a

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

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

Function

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.

Sequence similarities

Belongs to the heparin-binding growth factors family.

Cellular localization

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

- 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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors