

## Product datasheet

# Recombinant human GDF8 / Myostatin protein ab50097

### Overview

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<b>Product name</b>	Recombinant human GDF8 / Myostatin protein
<b>Protein length</b>	Protein fragment

### Description

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

### Amino Acid Sequence

<b>Accession</b>	<a href="#">O14793</a>
<b>Species</b>	Human
<b>Sequence</b>	DFGLDCDEHS TESRCCRYPL TVDFEAFGWD WIIAPKRYKA NYCSGECEFV FLQKYPHTHL VHQANPRGSA GPCCTPTKMS PINMLYFNGK EQIYGGKIPA MVVDRCGCS
<b>Molecular weight</b>	25 kDa
<b>Amino acids</b>	267 to 375

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab50097** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Biological activity</b>	Determined by its ability to inhibit the proliferation of MPC-11 cells. The expected ED50 for this effect is 17.0-25.0 ng/ml.
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<b>Applications</b>	Inhibition Assay SDS-PAGE Functional Studies
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<b>Endotoxin level</b>	< 0.100 Eu/μg
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<b>Purity</b>	> 95 % SDS-PAGE. Greater than 98% by SDS-PAGE and HPLC analyses.
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**Form** Lyophilised

## Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.  
Preservative: None  
Endotoxin level is less than 0.1 ng per µg (1EU/µg).  
This product is an active protein and may elicit a biological response in vivo, handle with caution.

**Reconstitution** Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4oC for 1 week or -20oC for future use.

## General Info

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**Function** Acts specifically as a negative regulator of skeletal muscle growth.

**Sequence similarities** Belongs to the TGF-beta 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

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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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