

Product datasheet

Recombinant human GDF8 / Myostatin protein ab50097

Description

Product name	Recombinant human GDF8 / Myostatin protein
Biological activity	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.
Purity	> 95 % SDS-PAGE. Greater than 98% by SDS-PAGE and HPLC analyses.
Expression system	Escherichia coli
Accession	<u>O14793</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	DFGLDCDEHS TESRCCRYPL TVDFEAFGWD WIIAPKRYKA NYCSGECEFV FLQKYPHTHL VHQANPRGSA GPCCTPTKMS PINMLYFNGK EQIYGKIPA MVVDRCGCS
Predicted molecular weight	25 kDa
Amino acids	267 to 375

Specifications

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.

Applications	Inhibition Assay SDS-PAGE Functional Studies
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
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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 4°C for 1 week or -20°C for future use.

General Info

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. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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.

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