

Product datasheet

Recombinant human GDF8 / Myostatin protein ab50097

Overview

Product name	Recombinant human GDF8 / Myostatin protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	O14793
Species	Human
Sequence	DFGLDCDEHS TESRCCRYPL TVDFEAFGWD WIIAPKRYKA NYCSGECEFV FLQKYPHTHL VHQANPRGSA GPCCTPTKMS PINMLYFNGK EQIYGKIPA MVDRCGCS
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.

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.
Applications	Inhibition Assay SDS-PAGE Functional Studies
Endotoxin level	< 0.100 Eu/μg
Purity	> 95 % SDS-PAGE. Greater than 98% by SDS-PAGE and HPLC analyses.
Form	Lyophilised

Preparation and Storage

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 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 AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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