

## Product datasheet

# Recombinant mouse FGF21 protein (Active) ab216199

### Description

<b>Product name</b>	Recombinant mouse FGF21 protein (Active)	
<b>Biological activity</b>	ab216199 is fully biologically active when compared to standard. The ED <sub>50</sub> as determined by thymidine uptake assay using FGF-receptors transfected BaF3 cells is less than 0.5 µg/ml, corresponding to a specific activity of > 2.0 × 10 <sup>3</sup> IU/mg in the presence of 5 µg/ml of rMuKlotho-β and 10 µg/ml of heparin.	
<b>Purity</b>	> 97 % SDS-PAGE. >97 % by HPLC.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">Q9JJN1</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Mouse	
<b>Sequence</b>	AYPIDSSPL LQFGGQVRQR YLYTDDDQDT EAHLEIREDG TVVGAAHRSP ESLELKALK PGVIQILGVK ASRFLCQQPD GALYGSPHFD PEACSFRELL LEDGYNVYQS EAHGLPLRLP QKDSPNQDAT SWGPVRFLLP PGLLHEPQDQ AGFLPPEPPD VGSSDPLSMV EPLQGRSPSY AS	
<b>Predicted molecular weight</b>	20 kDa	
<b>Amino acids</b>	29 to 210	
<b>Additional sequence information</b>	A single non-glycosylated polypeptide chain containing 182 amino acids. This product is for the mature full length protein. The signal peptide is not included.	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab216199** 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>	Functional Studies
	HPLC
	SDS-PAGE

**Form** Lyophilized

## Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

pH: 7.40

Constituent: 100% PBS

Lyophilized from a 0.2 µm filtered concentrated solution in 3 × PBS.

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

**Reconstitution** Briefly centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.

## General Info

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**Function** Stimulates glucose uptake in differentiated adipocytes via the induction of glucose transporter SLC2A1/GLUT1 expression (but not SLC2A4/GLUT4 expression). Activity requires the presence of KLB.

**Sequence similarities** Belongs to the heparin-binding growth factors family.

**Cellular localization** Secreted.

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**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

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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- We provide support in Chinese, English, French, German, Japanese and Spanish
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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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