

Product datasheet

Recombinant human FGF21 protein (Active) ab54141

1 References

Description

Product name	Recombinant human FGF21 protein (Active)	
Biological activity	Determined by its ability to stimulate the proliferation of murine NIH-3T3 cells.	
Purity	> 90 % SDS-PAGE. >90% HPLC analyses.	
Endotoxin level	< 1.000 Eu/µg	
Expression system	Escherichia coli	
Accession	Q9NSA1	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MHPIPDSSPL LQFGGQVRQR YLYTDDAQQT EAHLEIREDG TVGGAADQSP ESSLQLKALK PGVIQILGVK TSRFLCQRPD GALYGSLHFD PEACSFRELL LEDGYNVYQS EAHGLPLHLP GNKSPHRDPA PRGPARFLPL PGLPPALPEP PGILAPQPPD VGSSDPLSMV GPSQGRSPSYAS	
Predicted molecular weight	20 kDa	
Amino acids	29 to 209	
Additional sequence information	Full length Mature protein, minus the signal peptide.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab54141** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE HPLC
Form	Lyophilized
Additional notes	For extended storage, further dilute the reconstituted protein in a buffer (example PBS) containing

a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA).

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

Reconstitution

Reconstituted FGF-21 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. We recommend to reconstitute it in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For lot specific reconstitution information please contact our Scientific Support Team.

General Info

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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