SignalChem
Specialists in Signaling Proteins
1-866-9 KINASE (54-6273)

Catalog #	Aliquot Size
F841-40N-20	20 µg
F841-40N-100	100 µg

Recombinant Human FGF21

Recombinant human protein expressed in E. coli cells

Catalog # F841-40N
Lot # G3211-36

Product Description

Recombinant Human FGF21 was expressed in E. coli cells. The protein accession number is Q9NSA1

Gene Aliases

FGF-21, Recombinant Human Fibroblast Growth Factor 21 (FGF21)

Endotoxin Level

<1.0 EU/µg of recombinant protein as determined by the LAL method

Formulation

Lyophilized from 0.2 µm filtered solution in Tris and NaCl (pH 8.0)

Reconstitution Protocol

A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.

Storage and Stability

The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2°- 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

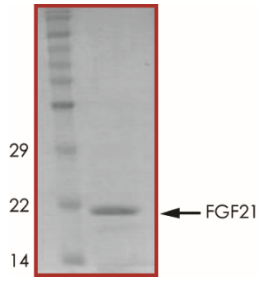
Scientific Background

FGF21 is a secreted growth factor of the FGF family, classified as an FGF19 subfamily member. Proteins of the FGF family are known to play a central role with respect to both prenatal and postnatal growth and development, and regeneration of a variety of tissues by promoting cellular proliferation and differentiation. In the presence of beta Klotho (protein cofactor), FGF21 signals via the FGFR receptors to stimulate insulin independent glucose uptake by adipocytes.

Specific Activity

The bioactivity was determined in a NIH/3T3 cell proliferation assay with an ED50 <1ng/ml.

Purity



Recombinant Human FGF21 resolved on a 15% SDS-PAGE gel under reducing conditions and stained with Coomassie Brilliant Blue G-250

Approx. MW **19.7 kDa**

Recombinant Human FGF21

Recombinant human protein expressed in E. coli cells

Catalog Number	F841-40N
Specific Lot Number	G3211-36
Purity	95%
Stability	6 mos. at –20°C from date of shipment
Storage & Shipping	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2°- 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

To place your order, please contact us by phone 1-(604)-232-4600, fax 1-604-232-4601 or by email: orders@signalchem.com
www.signalchem.com

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