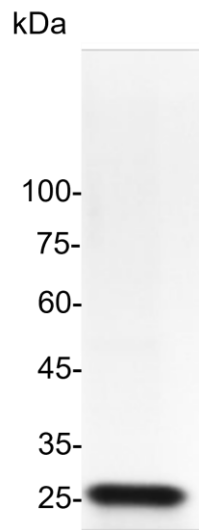


FGF-21 (Fibroblast growth factor-21), Mouse

v. 231101

Catalog number	C02095-5UG / C02095-20UG / C02095-100UG
Package	5 µg / 20 µg / 100 µg
Description	<p>FGF-21 is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF-21 is produced by hepatocytes in response to free fatty acid (FFA) stimulation of a PPARα/RXR dimeric complex. This situation occurs clinically during starvation, or following the ingestion of a high-fat/low-carbohydrate diet. Upon FGF-21 secretion, white adipose tissue is induced to release FFAs from triglyceride stores. Once FFAs reach hepatocytes, they are oxidized and reduced to acetyl-CoA.</p>
Source	<i>Escherichia coli</i>
Sequence	<p>AYPIPDSSPLLQFGGQVRQRYLYTDDDQDTEAHLEIREDGTVVGAHRSPESLL ELKALKPGVIQILGVKASRFLCQQPDGALYGSPHFDPEACSFRELLEDGYNVY QSEAHGLPLRLPQKDSPNQDATSWGPVRFPLPMPGILLHEPQDQAGFLPPEPPD VGSSDPLSMVEPLQGRSPSYAS with polyhistidine tag at the N-terminus</p>
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	<p>Measure by its ability to induce proliferation in NIH - 3T3 mouse embryonic fibroblast cells in the presence of mouse Klotho beta and heparin. The ED₅₀ for this effect is < 2 µg/mL.</p>
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	<p>It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.</p>
Stability & Storage	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 1 month under sterile conditions after reconstitution. <p>Avoid repeated freeze/thaw cycles.</p>



SDS-PAGE analysis of FGF-21, Mouse

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