

**FGF-21/FGFL, Mouse, Recombinant****Cat. No. : GPCK339****产品信息**

物种	Mouse
表达宿主	E.coli
序列信息	AYPIPDSSPLLQFGGQVRQRYLYTDDDQDTEAHLEIREDGTVVGAAHRSPESLLELKALKPGVI QILGVKASRFLCQPDGALYGSPHFDPEACSFRELLLEDGYNVYQSEAHGLPLRLPQKDSPNQ DATSWGVPVRFLPMPGLLHEPQDQAGFLPPEPPDVGSSDPLSMVEPLQGRSPSYAS with polyhistidine tag at the N-terminus
检索号	Q9JJN1.1
标签	His-tag at the N-terminus
分子量	20.76 kDa
有效期	12 months
生物活性	Measure by its ability to induce proliferation in NIH3T3 mouse embryonic fibroblast cells in the presence of mouse Klotho beta and heparin. The ED50 for this effect is < 2 µg/mL.

**产品特性**

内毒素 (EU/µg)	< 0.1
保存	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a 0.2 µm filtered solution containing 1 × PBS, pH 8.0.
复溶	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

**背景介绍**

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.

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