

Recombinant Human FGF21 (mFc-Avi Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human FGF21 (mFc-Avi Tag)	93399ES25	25 µg
	93399ES60	100 µg
	93399ES76	500 µg
	93399ES80	1 mg

产品描述

Fibroblast growth factor 21 (FGF-21) is a member of the FGF gene family, which currently contains 22 human members. 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. The acetyl-CoA is recombined into 4-carbon ketone bodies (acetoacetate and beta -hydroxybutyrate), released, and transported to peripheral tissues for TCA processing and energy generation.

产品性质

别名	UNQ3115; PRO10196; FGF-21; FGF21
Uniprot No.	Q9NSA1.1
表达区间及表达系统	Recombinant Human FGF21 Protein is expressed from HEK293 Cells with mFc tag and Avi tag at the N-terminal. It contains His29-Ser209.
分子量	Approximately 46.9 kDa. Due to glycosylation, the protein migrates to 52-60 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	ELISA Data: Immobilized Human FGF21 at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human Beta Klotho, His Tag with the EC50 of 1.48µg/ml determined by ELISA. SPR Data: Human Beta Klotho, His Tag captured on CM5 Chip via anti-His antibody can bind Human FGF21, mFc Tag with an affinity constant of 0.54nM as determined in SPR assay (Biacore T200).
内毒素	< 1.0 EU per 1µg of the protein by the LAL method.
制剂	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
复溶	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

运输与保存方法

冰袋运输。-20°C至-80°C保存，一年有效期。

复溶后，-20 至 -80°C，在未开封状态下保存 3-6 个月。复溶后，2-8°C 保存 2-7 天。

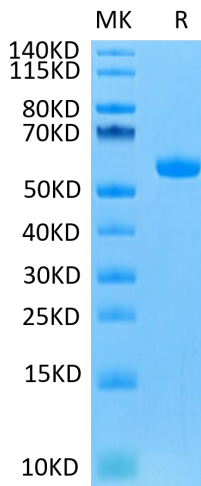
建议第一次使用时分装冻存，避免反复冻融。

注意事项

1. 避免反复冻融。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！

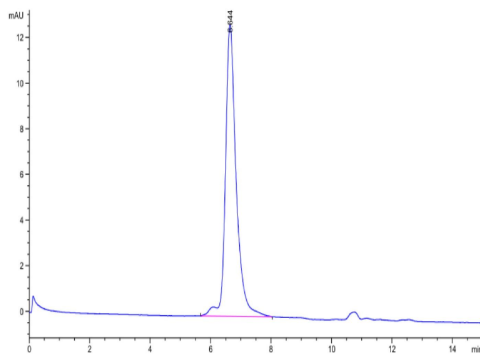
产品数据

Tris-Bis PAGE



Human FGF21 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

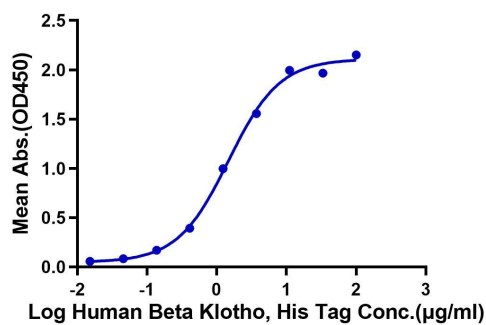
SEC-HPLC



The purity of Human FGF21 is greater than 95% as determined by SEC-HPLC.

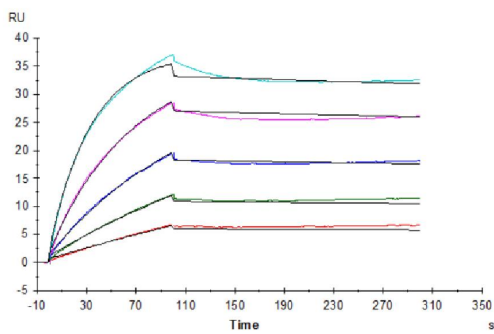
ELISA Data

Human FGF21, mFc Tag ELISA
0.2 μ g Human FGF21, mFc Tag Per Well



Immobilized Human FGF21 at 2 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Human Beta Klotho, His Tag with the EC50 of 1.48 μ g/ml determined by ELISA.

SPR Data



Human Beta Klotho, His Tag captured on CM5 Chip via anti-His antibody can bind Human FGF21, mFc Tag with an affinity constant of 0.54nM as determined in SPR assay (Biacore T200).