

Human FGF-21 Protein; His Tag

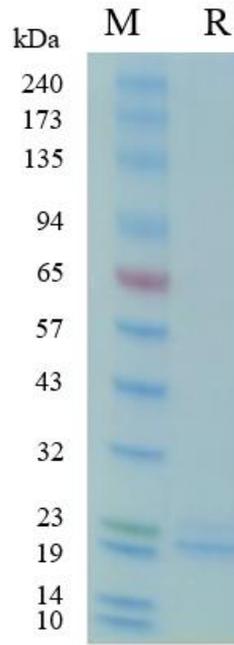
Product Information

Product Name	Human FGF-21 Protein; His Tag
Storage temp.	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-87962RP-100 / 100 μg GM-87962RP-1000 / 1 mg

Protein Information

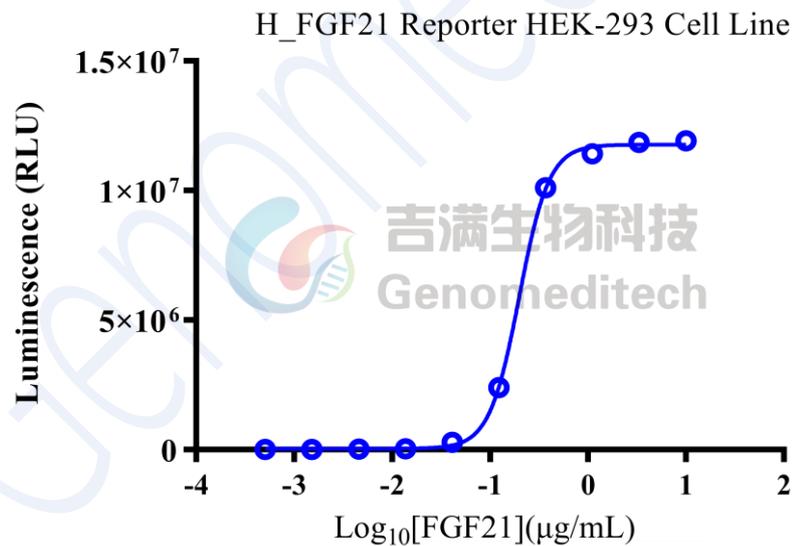
Alternative Names	FGF-21, FGF21
Source	Human FGF-21 Protein; His Tag (GM-87962RP) is expressed from human 293 cells (HEK-293). It contains AA His 29 - Ser 209 (Accession # Q9NSA1-1). This protein carries a His tag at the N-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	20.6 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	<p>FGF21 (Fibroblast Growth Factor 21) is a protein that is mainly expressed in the liver, adipose tissue, and muscle, and belongs to the fibroblast growth factor family. It plays an important role in regulating energy metabolism, glucose metabolism, and fatty acid oxidation, promoting the oxidation of fatty acids and inhibiting fat synthesis, thus helping to maintain energy balance in the body.</p> <p>FGF21 is also believed to have potential therapeutic effects against diabetes, impacting weight control by improving insulin sensitivity and suppressing appetite. In recent years, with in-depth research into its physiological functions and clinical applications, FGF21 has shown great potential in the treatment of metabolic diseases such as diabetes and obesity.</p>

SDS-PAGE



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity CELL BASE



	H_FGF21 Reporter HEK-293
EC50	0.1992

Human FGF-21 Protein; His Tag (Catalog # GM-87962RP) was added to H_FGF21 Reporter HEK-293 Cell Line (Catalog # GM-C19834), and stimulates FGF-21/FGFR1 signals.