Datasheet for ABIN7566147

FGF21 Protein (AA 29-209) (DYKDDDDK Tag)

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Overview

Quantity:	10 µg
Target:	FGF21
Protein Characteristics:	AA 29-209
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGF21 protein is labelled with DYKDDDDK Tag.

Product Details

Purpose:	FGF-21 (human) (rec.)
Cross-Reactivity:	Human
Characteristics:	Human FGF-21 (aa 29-209) is fused at the C-terminus to a DYKDDDDK Tag.
Purity:	>90 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	FGF21
Alternative Name:	FGF-21 (FGF21 Products)
Background:	Fibroblast Growth Factor 21 The fibroblast growth factor (FGF) family is a group of multifunctional signaling molecules that

Target Details

	have a wide variety of functions. The family comprises of 22 related proteins, each grouped into subfamilies which are based on genetic and functional similarity. FGF21 is expressed in several tissues such as liver (main site), muscles, adipocytes, pancreas, and brain where it passes the blood-brain barrier. FGF-21 stimulates glucose uptake in differentiated adipocytes via the induction of glucose transporter SLC2A1/GLUT1 expression. Its activity requires the presence of the FGFR1 and beta-klotho. FGF21 mediates the adaptive starvation response to induce ketogenesis, gluconeogenesis, lipolysis, and lipid beta-oxidation. FGF21 plays also a key role in cardiac remodeling with the heart expressing fibroblast growth factor receptor 1 (FGFR1), beta-klotho, as well as FGF21. In muscle, FGF21 expression in skeletal muscles is due to mitochondrial dysfunction and ER stress.
Molecular Weight:	~22kDa (SDS-PAGE)
UniProt:	Q9NSA1
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	After reconstitution:for 10 µg size: 0.1 mg/mLfor 50 µg size: 1 mg/mL
Concentration:	Lot specific
Buffer:	Contains PBS.
Handling Advice:	After opening, prepare aliquots and store at -20 °C.Avoid freeze/thaw cycles.Centrifuge lyophilized vial before opening and reconstitution.For maximum product recovery after thawing, centrifuge the vial before opening the cap.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Use & Stability: Stable for at least 6 months after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.