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Datasheet for ABIN7488806

Klotho beta Protein (KLB) (His tag)

Overview

Quantity:	100 µg
Target:	Klotho beta (KLB)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Klotho beta protein is labelled with His tag.

Product Details

Purpose:	Rat Klotho beta / KLB Protein, His Tag
Sequence:	Phe 53 - Pro 994
Characteristics:	Rat Klotho beta, His Tag is expressed from human 293 cells (HEK293). It contains AA Phe 53 - Pro 994 (Accession # D3Z8T6-1).
Purity:	90 %
Endotoxin Level:	1.0 EU per µg

Target Details

Target:	Klotho beta (KLB)
Alternative Name:	Klotho beta (KLB Products)
Background:	KLB (Klotho Beta) is a Protein Coding gene. Among its related pathways are RET signaling and HIV Life Cycle. GO annotations related to this gene include hydrolase activity, hydrolyzing O-glycosyl compounds and fibroblast growth factor binding. An important paralog of this gene is

Target Details

KL. Klotho Beta is a regulator in multiple metabolic processes, while its role in cancer remains unclear. We found the expression of β Klotho was down-regulated in human hepatocellular carcinoma tissues compared with that in paired adjacent non-tumorous liver tissues. Hepatoma cells also showed decreased expression of β Klotho compared with normal hepatocyte cells. Reintroduction of β Klotho into hepatoma cells inhibited their proliferation.

Molecular Weight: 110.5 kDa

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Growth Factor Binding](#)

Application Details

Comment: This protein carries a polyhistidine tag at the C-terminus. (10xHis) The protein has a calculated MW of 110.5 kDa. The protein migrates as 130-145 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C

Storage Comment: -20°C