

Datasheet for ABIN7275093

**Klotho beta Protein (KLB) (AA 53-994) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	Klotho beta (KLB)
Protein Characteristics:	AA 53-994
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Klotho beta protein is labelled with His tag.

## Product Details

Purpose:	Mouse Beta Klotho Protein
Sequence:	Phe53-Pro994
Characteristics:	Recombinant Mouse Beta Klotho Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe53-Pro994.
Purity:	> 90 % as determined by Tris-Bis PAGE, > 90 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	Klotho beta (KLB)
Alternative Name:	Beta Klotho ( <a href="#">KLB Products</a> )

## Target Details

Background:	Beta-klotho (KLB) is a coreceptor required for endocrine fibroblast growth factor (FGF) 15/19 and FGF21 signaling in the brain. Klb is prominent within the hypothalamus, which is consistent with its metabolic functions, but diverse roles for Klb are now emerging. Central Klb expression is low but discrete and may govern FGF-targeted sites.
Molecular Weight:	109.91 kDa. Due to glycosylation, the protein migrates to 120-130 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Growth Factor Binding</a>

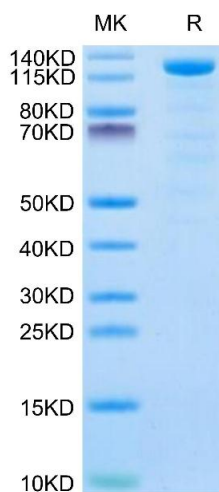
## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in PBS ( pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

## Images



### SDS-PAGE

**Image 1.** Mouse Beta Klotho on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .