

# Active Recombinant Rhesus macaque KLB protein, His-tagged

**Cat. No.** KLB-1291R    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Rhesus macaque KLB protein(Phe 53 - Leu 997), fused with His tag, was expressed in HEK293.
<b>Species</b>	Rhesus macaque
<b>Source</b>	HEK293
<b>ProteinLength</b>	53-997 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Loaded Human FGF R4, Fc Tag on Protein A Biosensor, can bind Rhesus macaque Klotho beta, His Tag with an affinity constant of 0.9 µM as determined in BLI assay (ForteBio Octet Red96e).Loaded Human FGF19, Fc Tag on Protein A Biosensor, can bind Rhesus macaque Klotho beta, His Tag with an affinity constant of 78.5 nM as determined in BLI assay (ForteBio Octet Red96e).
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 110.3 kDa. The protein migrates as 115-130 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Phe53-Leu997
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.

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<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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