

Active Recombinant Rhesus macaque KLB protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Rhesus macaque KLB protein(Phe 53 - Leu 997), fused with His tag, was expressed in HEK293.
Species	Rhesus macaque
Source	HEK293
ProteinLength	53-997 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	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).
Molecular Mass	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.
Proteinlength	Phe53-Leu997
Endotoxin	Less than 1.0 EU per µg by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% as determined by SDS-PAGE.
Storage	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.
Reconstitution	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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