

Active Recombinant Mouse KLB protein, His-tagged

Cat. No. KLB-0319M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse KLB protein(Phe53-Leu995), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	53-995 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 FGF19, Fc Tag on Protein A Biosensor, can bind Mouse Klotho beta, His Tag with an affinity constant of 78.6 nM as determined in BLI assay (ForteBio Octet Red96e).Loaded Human FGF R4, Fc Tag on Protein A Biosensor, can bind Mouse Klotho beta, His Tag with an affinity constant of 54.0 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 110.8 kDa. The protein migrates as 125-145 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Phe53-Leu995
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>90% 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.

GENE INFORMATION

Gene Name	Klb klotho beta [Mus musculus]
Official Symbol	KLB
Synonyms	KLB; klotho beta; beta-klotho; BKL; klotho beta-like protein; AV071179; betaKlotho;
Gene ID	83379
mRNA Refseq	NM_031180
Protein Refseq	NP_112457

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