# Active Recombinant Mouse KLB protein, His-tagged

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

## SPECIFICATION

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| **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

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| **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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