Active Recombinant Human KLB protein, His-tagged, Low Endotoxin

Cat. No. KLB-539H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLB protein(Q86Z14)(Met30-Thr983), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	30-983 aa
Form	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Beta Klotho at 2μg/ml (100μl/Well). Dose response curve for Anti-Beta Klotho Antibody1, hFc Tag with the EC50 of 24.1ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 111.6 kDa. Due to glycosylation, the protein migrates to 115-130 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3

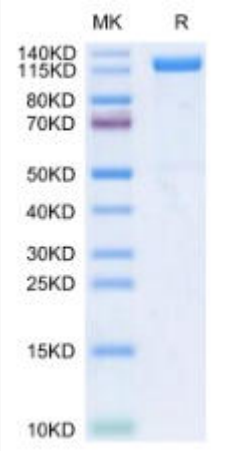
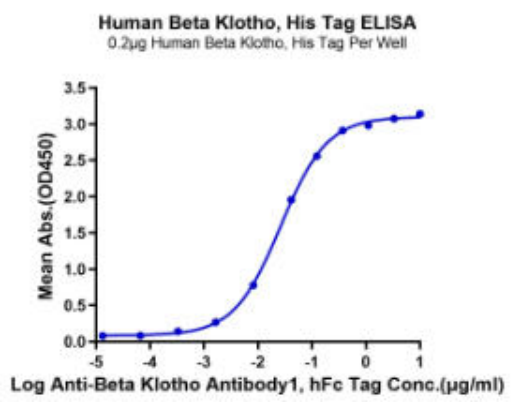
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	months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name	KLB klotho beta [Homo sapiens]
Official Symbol	KLB
Synonyms	KLB; klotho beta; beta-klotho; betaKlotho; klotho beta like; klotho beta-like protein; BKL; MGC142213;
Gene ID	152831
mRNA Refseq	NM_175737
Protein Refseq	NP_783864
MIM	611135
UniProt ID	Q86Z14

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Bis-Tris PAGE	
ELISA Data	

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