Human Beta Klotho Protein

Catalog # BETAKLOTHO-HP001 Form: Lyophilized

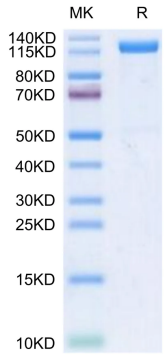
Product Details

Product description	Recombinant Human Beta Klotho Protein is expressed in HEK293 cells with a His tag at the C-terminus. It contains amino acid residues Met30-Thr983 (UniProt accession: Q86Z14).
Molecular aliases	betaKlotho; beta-klotho; BKL; KLB; klotho beta like; Klotho beta; MGC142213;βKlotho; β-klotho; klotho β like; Klotho β
Expression system	HEK293
Molecular weight	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.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin	Less than 1 EU per μg by the LAL method.
Formulation	Lyophilized from 0.22μm filtered solution in PBS, 8% trehalose (pH 7.4).
State	Lyophilized
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 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. Please refer to the Certificate of Analysis for detailed instructions.
Activity validation	Activity verified

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

Human Beta Klotho on Bis-Tris PAGE under reduced conditions. The purity is greater than 95%.