

Recombinant Human KLB Protein, His tagged

Cat. No. KLB-14H Lot. No. (See product label)

SPECIFICATION

Product Overview	Klotho beta Protein, Human (968a.a, HEK293, His) is the recombinant human-derived Klotho beta protein, expressed by HEK293, with C-His tag.
Species	Human
Source	HEK293
ProteinLength	30-997 aa
Description	Enables fibroblast growth factor binding activity and fibroblast growth factor receptor binding activity. Predicted to be involved in carbohydrate metabolic process. Predicted to act upstream of or within positive regulation of MAPKKK cascade by fibroblast growth factor receptor signaling pathway and positive regulation of cell population proliferation. Predicted to be located in plasma membrane.
Form	Lyophilized powder
Molecular Mass	112.9 kDa
Endotoxin	<1 EU/μg by LAL
Purity	> 90% by SDS-PAGE
Storage	Stored at -20 centigrade for 2 years. After reconstitution, it is stable at 4 centigrade for 1 week or -20 centigrade for longer (with carrier protein). It is recommended to freeze

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aliquots at -20 or -80 centigrade for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage Buffer

Lyophilized from 0.22 µm filtered solution of PBS, pH7.4 with trehalose as protectant.

GENE INFORMATION

Gene Name

KLB klotho beta [*Homo sapiens (human)*]

Official Symbol

KLB

Synonyms

KLB; klotho beta; BKL; beta-klotho; b-Klotho; betaKlotho; klotho beta like; klotho beta-like protein

Gene ID

152831

mRNA Refseq

NM_175737

Protein Refseq

NP_783864

MIM

611135

UniProt ID

Q86Z14

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