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KLOTHO Human

Catalog #:ENPS-376

For research use only.

Description: The Klotho Human Recombinant is produced in CHO cells and fused with a C-terminal 6xHis Tag. The Klotho His Tagged Fusion Protein is 59.5kDa protein containing a total of 522 amino acid residues and purified by proprietary chromatographic techniques.

Synonyms: Klotho, KL.

Source:CHO (Chinese Hamster Ovarian Cells).

Amino Acid Sequence:EPGDGAQTWA RFSRPPAPEA AGLFQGTFPD GFLWAVGSAA YQTEGGWQQH GKGASIWDTF THHPLAPPGD SRNASLPLGA PSPLQPATGD VASDSYNNVF RDTEALRELG VTHYRFSISW ARVLPNGSAG VPNREGLRYY RRLLERLREL GVQPVVTLYH WDLPQRLQDA YGGWANRALA DHFRDYAELC FRHFGGQVKY WITIDNPYVV AWHGYATGRL APGIRGSPRL GY

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
Klotho Human recombinant was filtered (0.4

Stability:
Store lyophilized Klotho Human recombinant at -20°C. Aliquot Klotho after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Usage:
NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Applications:
ELISA, Immunoassays, Western blotting.

Solubility:
It is recommended to add to Klothodeionized water to prepare a working stock solution of 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter Klothoby an appropriate sterile filter before using it in the cell culture.

Introduction:
Klotho is a type-I membrane protein which is related to beta-glucosidases. Reduced production of the Klotho protein is detected in patients with chronic renal failure (CRF), which may be one of the factors underlying the degenerative processes (e.g., arteriosclerosis, osteoporosis, and skin atrophy) seen in CRF. In addition, mutations within the Klotho protein are linked with ageing and bone loss.

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