Klotho Human CHO

Product Data Sheet

Type: Recombinant
Source: CHO
Species: Human
Other names: KL

Cat. No.:
RD172099100 (0.1 mg)

Description

Total 522 AA. Mw: 59,5 kDa (calculated) C-terminal his-tag (6 extra AA) UniProt entry Q9UEF7-2, Isoform 2 (secreted)

Research topic

Renal disease, Steroid hormones

Amino Acid Sequence

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EPGDGAQTWA RFSRPPAPEA AGLFQGTFPD GFLWAVGSAA YQTEGGWQQH GKGASIWDTF THHPLAPPGD SRNASLPLGA
PSPLQPATGD VASDSYNNVF RDTEALRELG VTHYRFSISW ARVLPNGSAG VPNREGLRYY RRLLERLREL GVQPVVTLYH
WDLPQRLQDA YGGWANRALA DHFRDYAELC FRHFGGQVKY WITIDNPYVV AWHGYATGRL APGIRGSPRL GYLVAHNLLL
AHAKVWHLYN TSFRPTQGGQ VSIALSSHWI NPRRMTDHSI KECQKSLDFV LGWFAKPVFI DGDYPESMKN NLSSILPDFT
ESEKKFIKGT ADFFALCFGP TLSFQLLDPH MKFRQLESPN LRQLLSWIDL EFNHPQIFIV ENGWFVSGTT KRDDAKYMYY
LKKFIMETLK AIKLDGVDVI GYTAWSLMDG FEWHRGYSIR RGLFYVDFLS QDKMLLPKSS ALFYQKLIEK NGFPPLPENQ
PLEGTFPCDF AWGVVDNYIQ VSQLTKPISS LTKPYHHHHH HH
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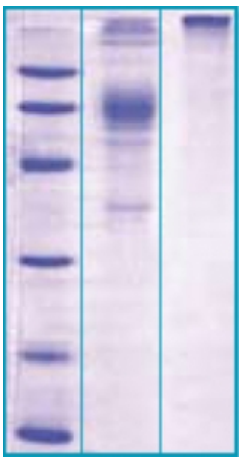
Source

CHO

Purity

More than 90% as determined by densitometric image analysis of coomasie stained SDS-PAGE

SDS-PAGE gel



12% SDS-PAGE separation of Human Klotho protein
1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa
2. reduced and boiled sample, 5µg/lane
3. non-reduced and non-boiled sample, 5µg/lane

Endotoxin

< 1.0 EU/ug

Formulation

Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 0.08 M phosphate buffer, 0.1 M NaCl, pH 7.2

Reconstitution

Add deionized water to prepare a working stock solution of 0.5 mg/mL and let the lyophilized pellet dissolve completely.
Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Shipping

At temperature 2 - 8°C Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week. Avoid storage of lyophilized product at room temperature. Transport on dry ice.

Quality Control Test

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

Applications

Cell culture and/or animal studies, ELISA, Immunoassays, Western blotting

Note

This product is intended for research use only. The Certificate of Analysis is available on www.biovendor.com

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