

Product Information

MemDX™ Membrane Protein Human KL (Klotho) expressed in CHO for Antibody Discovery

Cat. No.: **MP0041Q**

This product is for research use only and is not intended for diagnostic use.

This product is a 65 kDa Human KL membrane protein expressed in CHO. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

KL

Protein Length

Partial

Protein Class

Secreted Protein, Transmembrane

Molecular Weight

65 kDa

TMD

1

Sequence

EPGDGAQTWARFSRPPAPEAAGLFQGTFPDGFLWAVGSAAYQTEGGWQQHGKGASIWDTFTHHPLAPPGDSRNASLPLGAPSP

Product Description

Expression Systems

CHO

Tag

Tag Free

Form

Powder

Endotoxin

< 1 EU/μg

Purity

>95% as determined by SDS-PAGE and Coomassie blue staining

Buffer

0.2 µM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

KL

Full Name

Klotho

Introduction

This gene encodes a type-I membrane protein that is related to beta-glucosidases. Reduced production of this protein has been observed in patients with chronic renal failure (CRF), and this may be one of the factors underlying the degenerative processes (e.g., arteriosclerosis, osteoporosis, and skin atrophy) seen in CRF. Also, mutations within this protein have been associated with ageing and bone loss.

Alternative Names

Klotho; OTTHUMP00000018796

Gene ID

[9365](#)

UniProt ID

[Q9UEF7](#)