

RPH757Mu01 10µg
Recombinant Klotho (KL)
Organism Species: Mus musculus (Mouse)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Pro516~Phe955

Tags: N-terminal His-Tag

Tissue Specificity: Kidney, Brain.

Subcellular Location: Cell membrane; Secreted. Single-pass type I membrane protein.

Purity: >98%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 6.4

Predicted Molecular Mass: 52.3kDa

Accurate Molecular Mass: 52kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

	PLEGT	FPCDFAWGVV	DNYVQVD TTL	SQFTDPNVYL
WDVHHSKRLI	KVDGVVAKKR	KPYCVDFSAI	RPQITLLREM	RVTHFRFSLD
WALILPLGNQ	TQVNHTVLHF	YRCMISELVH	ANITPVVALW	QPAAPHQGLP
HALAKHGAWE	NPHTALAFAD	YANLCFKELG	HWVNLWITMN	EPNTRNMTYR
AGHHLLRAHA	LAWHLYDDKF	RAAQKGKISI	ALQADWIEPA	CPFSQNDKEV
AERVLEFDIG	WLAEPFIGSG	DYPRVMRDWL	NQKNNFLLPY	FTEDEKKLVR
GSFDFLAVSH	YTTILVDWEK	EDPMKYNDYL	EVQEMTDITW	LNSPSQVAVV
PWGLRKVLNW	LRFKYGD LPM	YVTANGIDDD	PHAEQDSLRI	YYIKNYVNEA
LKAYVLDDIN	LCGYFAYSLS	DRSAPKSGFY	RYAANQFEPK	PSMKHYRKII
DSNGF				

[IDENTIFICATION]

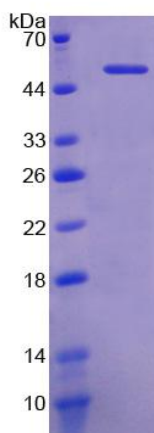


Figure 1. SDS-PAGE