

RPH757Mu02 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: Leu59~Phe508

Tags: N-terminal His-Tag

Tissue Specificity: Kidney, Brain.

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

Purity: >92%

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: 8.3

Predicted Molecular Mass: 52.7kDa

Accurate Molecular Mass: 53kDa 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]

LH	DTFPDGFLWA	VGSAAYQTEG	GWRQHGKGAS	IWDTFTHHSG
AAPSDSPIVV	APSGAPSPPL	SSTGDVASDS	YNNVYRDTEG	LRELGVTHYR
FSISWARVLP	NGTAGTPNRE	GLRYYRRLLE	RLRELGVQPV	VTLYHWDLPQ
RLQDTYGGWA	NRALADHFRD	YAELCFRHFG	GQVKYWITID	NPYVVAWHGY
ATGRLAPGVR	GSSRLGYLVA	HNLLLAHAKV	WHLYNTSFRP	TQGGRVSIAL
SSHWINPRRM	TDYNIRECQK	SLDFVLGWFA	KPIFIDGDYP	ESMKNNLSSL
LPDFTESEKR	LIRGTADFFA	LSFGPTLSFQ	LLDPNMKFRQ	LESPNLRQLL
SWIDLEYNHP	PIFIVENGWF	VSGTTKRDDA	KYMYYLKKFI	METLKAIRLD
GVDVIGYTAW	SLMDGFEWHR	GYSIRRGFLFY	VDFLSQDKEL	LPKSSALFYQ
KLIEDNGF				

[IDENTIFICATION]

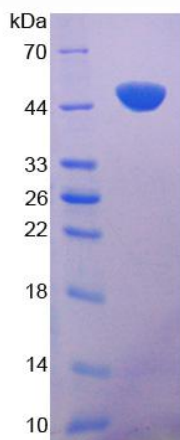


Figure 1. SDS-PAGE