

Recombinant Klotho (KL) Instruction Manual

SIPH378Mu02

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Secreted
Predicted Molecular Mass	52.7kDa
Accurate Molecular Mass	53kDa(Analysis of differences refer to the manual)
Residues & Tags	Leu59~Phe508 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	8.3
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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LH DTFPDGFLWA VGSAAAYQTEG GWRQHGKGAS IWDTFTHHSG
AAPSDSPIVV APSGAPSPPL SSTGDVASDS YNNVYRDTEG LRELGVTHYR
FSISWARVLP NGTAGTPNRE GLRYYRRLLE RLRELGVQPV VTLYHWDLPQ
RLQDTYGGWA NRALADHFRD YAELCFRHFQ GQVKYWITID NPYVVAWHGY
ATGRLAPGVR GSSRLGYLVA HNLLLAHAKV WHLYNTSFRP TQGGRVSIAL
SSHWINPRRM TDYNIRECQK SLDFVLGWFA KPIFIDGDYP ESMKNNLSSL
LPDFTESEKR LIRGTADFFA LSFQPTLSFQ LLDPNMKFRQ LESPCLRQLL
SWIDLEYNHP PIFIVENGWF VSGTTKRDDA KYMYLKKFI METLKAIRLD
GVDVIGYTAW SLMDGFEWHR GYSIRRLGFY VDFLSQDKEL LPKSSALFYQ
KLIEDNGF
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USAGE

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

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

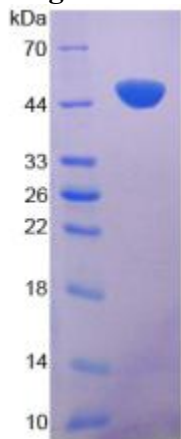


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.