

Recombinant Klotho (KL) Instruction Manual

SIPH378Ra02

Rattus norvegicus (Rat)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Secreted
Predicted Molecular Mass	54.8kDa
Accurate Molecular Mass	55kDa(Analysis of differences refer to the manual)
Residues & Tags	Leu517~Leu956 with N-terminal His Tag
Buffer Formulation	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	6.4
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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          LEGT FPCDFAWGVV DNYIQVDPTL SQFTDPNVYL  
WDVHHSKRLI KVDGVVAKKR KPYCVDFSAI RPQITLLREM RVTHFRFSLD  
WALILPLGNQ TQVNRTVLHF YRCMVSELVH ANITPVVALW QPATPHQGLP  
HALAKHGAW E NPHTALAFAD YANLCFEELG HWVKFWITIN EPNSRNMTYR  
AGHHLLKAHA LAWHLYDDKF RAAQKGKISI ALQVDWIEPA CPFSQKDKEV  
AERVLEFDVG WLAEPIFGSG DYPHVMREWL NQKNNFLLPY FTEDEKKLIR  
GSDFDLALSH YTTILVDWEK EDPIKYNDYL EVQEMTDITW LNSPNQVAVV  
PWGLRKALNW LRFKYGDLPM FVTANGIDDD PHAEQDSLRLM YYIKNYVNEA  
LKAYVLDGIN LCGYFAYSLS DRVVPKSGFY RYAANQFEPK PSIKHYRKII  
DNNGFL
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USAGE

Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

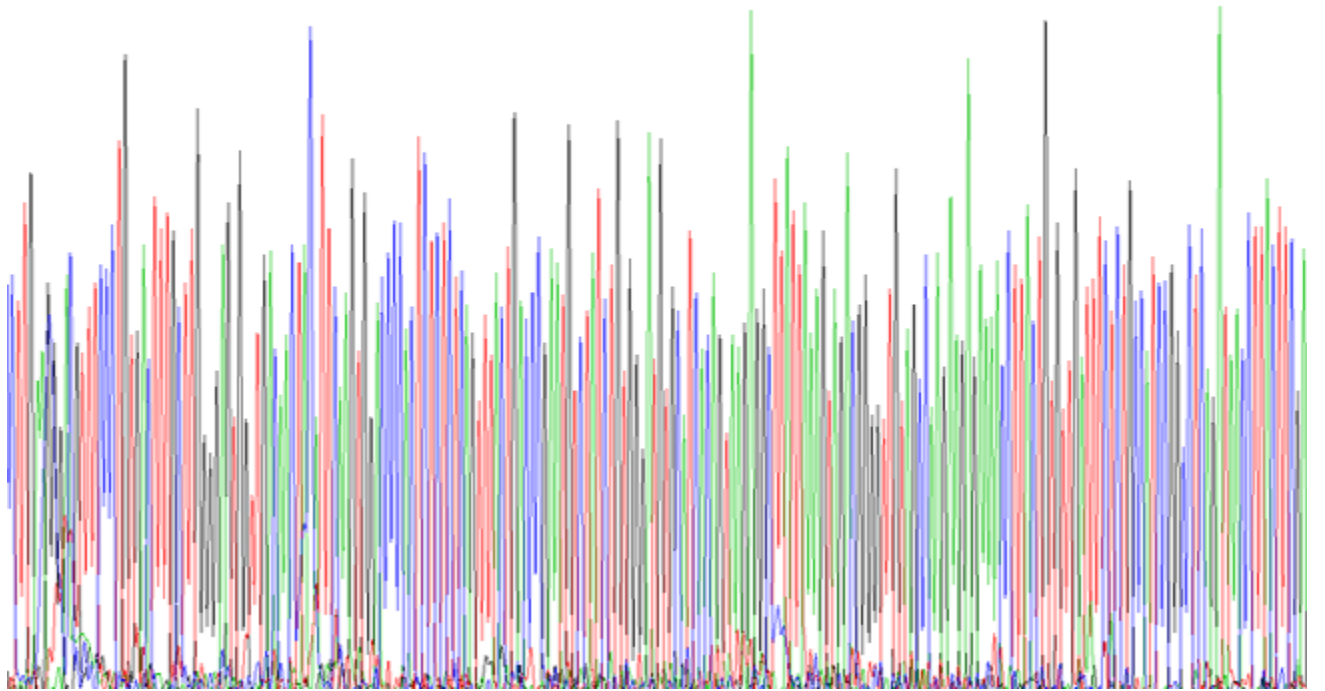
Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

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

CTGACGGGCTTCCCGTGAATTGTTTCCGGCTGGTGCATGATTTAGTGGCCCTCCCTGAGTTGTCCTGGATGTCCTCTGCTGGATGTCATGCTGAGTGGTCTTTAACTGACCCCGTGAACCTGAGAGCGAACTGCTGGTGAATTCCTGATCCGCTCAGTAACTTCTGG
LEGTFPCDFAVGVVDNYIQVDPTLSQFTDPNVYLLWDVHESKRLIKVDGVVAKKRPYCVDFSAIRPQITLLR



SDS-PAGE Image

[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.