

Klotho (KL) Recombinant Protein | KL recombinant protein

Recombinant Klotho (KL)

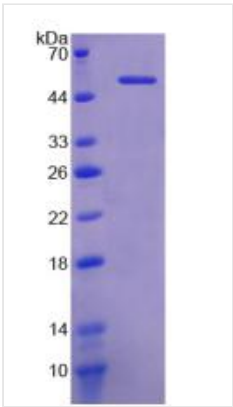
CATALOG # AAA134374	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
-------------------------------	-----------------------	---

PRODUCT SYNONYMS

Klotho (KL); Recombinant Klotho (KL); KL recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 97%
Concentration	Original Concentration: 200 Ug/mL (varies by lot)
Applicable Applications for KL recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Mus musculus (Mouse)
Source	Prokaryotic expression
Residues	Pro516~Phe955
Tags	N-terminal His Tag
Subcellular Location	Membrane, Secreted
Traits	Freeze-dried powder
Buffer formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
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.
Preparation and Storage	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.



PLEGT FPCDFAWGVV DNYVQVDTTL SQFTDPNVYL
WDVHHSKRLI KVDGVVAKKR KPYCVDFSAI RPQITLLREM RVTHFRFSLD
WALILPLGNQ TQVNHVLHF YRCMISELVH ANITPVVALW QPAAPHQGLP
HALAKHGAW E NPHTALAFAD YANLCFKELG HWVNLWITMN EPNTRNMTYR
AGHLLRAHA LAHLYDDKF RAAQKGKISI ALQADWIEPA CPFSQNDKEV
AERVLEFDIG WLAEPFSGG DYPRVMRDWL NQKNFLLPY FTEDEKCLR
GSFDFLAVSH YTTILVDWEK EDPMKYNDYL EVQEMTDITW LNSPSQVAVV
PWGLRKVLNN LRFKYGDLPM YVTANGIDD PHAEQDSLRI YYIKNYVNEA
LKAYVLDDIN LCGYFAYSLS DRSAPKSGFY RYAANQFEPK PSMKHYRKII
DSNGF

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	227330584
NCBI GeneID	16591
NCBI Accession #	NP_038851.2
NCBI GenBank Nucleotide #	NM_013823.2
UniProt Accession #	O35082; O70175; O70621; B2RR78
NCBI Official Full Name	klotho
NCBI Official Synonym Full Names	klotho
NCBI Official Symbol	KI
NCBI Official Synonym Symbols	alpha-kl
NCBI Protein Information	klotho; secreted form of Klotho protein
UniProt Protein Name	Klotho
UniProt Gene Name	KI
UniProt Entry Name	KLOT_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.