

Klotho (KL) Recombinant Protein | KL recombinant protein

Recombinant Klotho (KL)

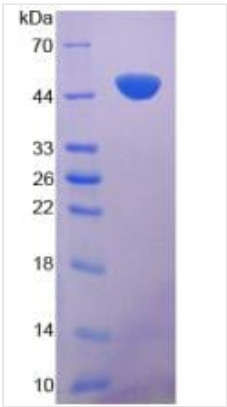
CATALOG # AAA134152	HOST E.coli	REACTIVITY Mus musculus (Mouse)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% Sarcosyl, 5% Trehalose and Proclin300.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for KL recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Leu59~Phe508
Tags	N-terminal His Tag
Subcellular Location	Membrane, Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	8.3
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 degree C for one month. Aliquot and store at -80 degree 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 degree 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.



LH DTFPDGFLWA VGSAAYQTEG GMRQHKGKAS IWDTFTHHSG
AAPSDSPIVV APSGAPSPPL SSTGDVASDS YNNVYRDTEG LRELGVTHYR
FSISHWARVLP NGTAGTPNRE GLRYYRRLLE RLRELGVPV VTLYHMDLPQ
RLQDTYGGWA NRALADHFRD YAELCFRHFG GQVKYWTIID NPYVVAWHGY
ATGRLAPGVR GSSRLGYLVA HNLLLAHAV WHLYNTSFRP TQGGRVSIAL
SSHWINPRRM TDYNIRECQK SLDFVLGWFA KPIFIDGDYP ESMKNLSSL
LPDFTSEKR LIRGTADFFA LSFGPTLSFQ LLDPNMKFRQ LESPNLRQLL
SWIDLEYNHP PIFIVENGWF VSGTTKRDDA KYMYLKKFI METLKAIRLD
GVDVIGYTAW SLMDGFEWHR GYSIRRGLEY VDFLSQKEL LPKSSALFYQ
KLIEDNGF

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
Molecular Weight	Predicted Molecular Mass: 52.7kDa Accurate Molecular Mass: 53kDa as determined by SDS-PAGE reducing conditions
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.