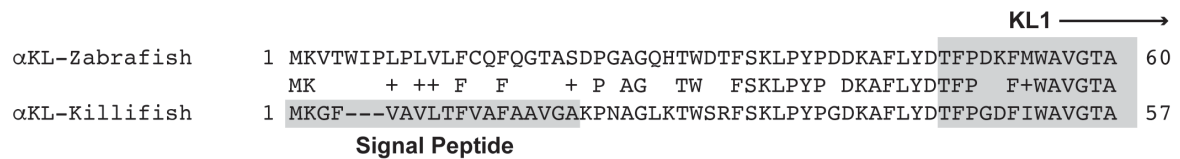


Supplementary materials

Supplementary Figure 1



Supplementary Fig. 1. Sequence alignment of the N-terminal part of α Klotho protein between killifish and zebrafish using Geneious software. Putative signal peptide in killifish α Klotho identified by the protein prediction resource InterProScan is highlighted in grey. KL1 indicates the start of the first internal repeat in the extracellular domain. Sequence is highlighted in grey.

Supplementary Table 1

List of gene identifiers from which the protein sequences have been retrieved

Human (<i>Homo sapiens</i>)
NP_004786.2
NP_783864.1
Mouse (<i>Mus musculus</i>)
NP_038851.2
NP_112457.1
Chicken (<i>Gallus gallus</i>)
XP_417105.2
XP_003641293.2
Frog (<i>Xenopus tropicalis</i>)
XP_002934067.1
OCA48103.1
Zebrafish (<i>Danio rerio</i>)
XP_021335093.1
XP_009305920.1
Medaka (<i>Oryzias latipes</i>)
XP_011481593.1
XP_011478512.1
Platy (<i>Xiphophorus maculatus</i>)
XP_014327768.1
XP_014325898.1
Spotted Gar (<i>Lepisosteus oculatus</i>)
XP_006628277.1
XP_006630110.1
Coelacanth (<i>Latimeria chalumnae</i>)
XP_006007832.2
XP_006011275.1
Killifish (<i>Nothobranchius furzeri</i>)

Nfu_g_1_022108
Nfu_g_1_004524
Nematode (<i>Caenorhabditis elegans</i>)
C50F7.10: Q18758

Supplementary Table 2

Primer Sequences

	Sequence (5'-3')
Cloning, Sequencing, qRT-PCR	
α KL-F	tccacggccagtaagaaaac
α KL-R	tgcagtaccacatttgacc
α RT_S1	atTTTtgcttccatgcgttt
α RT_AS1	gttgtagagggtccatgcag
α RT_S2	cccagtttgagaccctaac
α RT_AS2	tgagggaagtggaagtgg
β KL-F	ctcctgcagagtggaaaagg
β KL-R	tagaggggcgagtgtaggag
β RT_S1	ttgtttagcccacaatctga
β RT_AS1	ctccatggactgctgacaaa
β RT_S2	accaggaccctaaccac
β RT_AS2	gggtcggtaaactgtggaga
In situ hybridization	
β KL_ISH_S	gacaacggttttctccaga
β KL_ISH_AS	ggcctctagaccagcttct
T3- β KL_ISH_AS	AATTAACCTCACTAAAGGGgacaacggttttctccaga
T7- β KL-ISH_AS	TAATACGACTCACTATAGGGggcctctagaccagcttct