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Product datasheet for SC217236

Klotho (KL) (NM_004795) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Klotho (KL) (NM_004795) Human 3' UTR Clone
Symbol:	Klotho
Synonyms:	HFTC3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004795
Insert Size:	1987 bp

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Insert Sequence:

>SC217236 3'UTR clone of NM_004795
The sequence shown below is from the reference sequence of NM_004795. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCGAAGAAAGGCAGAAGAAGTTACAAATAGTTCTGAACATTTTTCTATTCATTCATTTTGAAATAATTA
TGCAGACACATCAGCTGTTAACCATTTGCACCTCTAAGTGTTGTGAAACTGTAAATTTCATACATTTGA
CTTCTAGAAAACATTTTTGTGGCTTATGACAGAGGTTTTGAAATGGGCATAGGTGATCGTAAAATATTG
AATAATGCGAATAGTGCCTGAATTTGTTCTCTTTTTGGGTGATTAAAAAACTGACAGGCACTATAATTT
CTGTAACACACTAACAAAAGCATGAAAAATAGGAACCACACCAATGCAACATTTGTGCAGAAATTTGAA
TGACAAGATTAGGAATATTTTCTTCTGCACCCACTTCTAAATTTAATGTTTTTCTGGAAGTAGTAATTG
CAAGAGTTCGAATAGAAAGTTATGTACCAAGTAACCATTTCTCAGCTGCCATAATAATGCCTAGTGGCT
TCCCCTCTGTCAAATCTAGTTTCCTATGGAAAAGAAGATGGCAGATACAGGAGAGACGACAGAGGGTCC
TAGGCTGGAATGTTCCTTTCGAAAGCAATGCTTCTATCAAATACTAGTATTAATTTATGTATCTGGTTA
ATGACATACTTGGAGAGCAAATTATGGAAATGTGTATTTTATATGATTTTTGAGGTCCTGTCTAAACCC
TGTGTCCCTGAGGGATCTGTCTCACTGGCATCTTGTTGAGGGCCTTGCACATAGGAAACTTTTGATAAG
TATCTGCGGAAAAACAAACATGAATCCTGTGATATTGGGCTCTTCAGGAAGCATAAAGCAATTGTGAAA
TACAGTATACCGCAGTGGCTCTAGGTGGAGGAAAGGAGGAAAAAGTGCTTATTATGTGCAACATTATGA
TTAATCTGATTATACACCATTTTTGAGCAGATCTTGGAATGAATGACATGACCTTTCCCTAGAGAATAA
GGATGAAATAATCACTCATTCTATGAACAGTGACACTACTTTCTATTCTTTAGCTGTACTGTAATTTCT
TTGAGTTGATAGTTTTACAAATTCTTAATAGGTTCAAAAGCAATCTGGTCTGAATAACACTGGATTTGT
TTCTGTGATCTCTGAGGTCTATTTTATGTTTTTGCTGCTACTTCTGTGGAAGTAGCTTTGAACTAGTTT
TACTTTGAACTTTCACGCTGAAACATGCTAGTGATATCTAGAAAGGGCTAATTAGGTCTCATCCTTTAA
TGCCCCTTAAATAAGTCTTGCTGATTTTCAGACAGGGAAGTCTCTCTATTACACTGGAGCTGTTTTATA
GATAAGTCAATATTGTATCAGGCAAGATAAACCAATGTCATAACAGGCATTGCCAACCTCACTGACACA
GGGTCATAGTGTATAATAATATACTGTACTATATAATATATCATCTTTAGAGGTATGATTTTTTCATGA
AAGATAAGCTTTTGGTAATATTCATTTTAAAGTGGACTTATTAAAATTGGATGCTAGAGAATCAAGTTT
ATTTTATGTATATATTTTTCTGATTATAAGAGTAATATATGTTCATTGTAAAAATTTTTAAAACACAGA
AACTATATGCAAAGAAAAAATAAAAATTATCTATAATCTCAGAACCCAGAAATAGCCACTATTAACATT
TCCTACGTATTTTATTTTACATAGATCATATTGTATATAGTTAGTATCTTTATTAATTTTTATTATGAA
ACTTTCCTTTGTCATTATTAGTCTTCAAAAGCATGATTTTTAATAGTTGTTGAGTATTCCACCACAGGA
ATGTATCACAACTTAACCGTTCCCGTTTGTTAGACTAGTTTCTTATTAATGTTGATGAATGTTGTTTAA
AAATAATTTTGTTGCTACATTTACTTTAATTTCCTTGACTGTAAAGAGAAGTAATTTTGCTCCTTGATA
AAGTATTATATTAATAATAAATCTGCCTGCAACTTTTTGCCTTCTTTCATAATCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_004795.4

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Summary:	This gene encodes a type-I membrane protein that is related to beta-glucosidases. Reduced production of this protein has been observed in patients with chronic renal failure (CRF), and this may be one of the factors underlying the degenerative processes (e.g., arteriosclerosis, osteoporosis, and skin atrophy) seen in CRF. Also, mutations within this protein have been associated with ageing and bone loss. [provided by RefSeq, Jul 2008]
Locus ID:	9365
MW:	77.6

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