

Product datasheet for **TP723263**

Klotho (KL) (NM_004795) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human klotho (KL).
Species:	Human
Expression Host:	CHO
Expression cDNA Clone or AA Sequence:	EPGDGAQTWA RFSRPPAPEA AGLFQGTFPD GFLWAVGSAA YQTEGGWQQH GKGASIWDTF THHPLAPPGD SRNASLPLGA PSPLQPATGD VASDSYNNVF RDTEALRELG VTHYRFSISW ARVLPNGSAG VPNREGLRYY RLLERLREL GVQPVVTLYH WDLPQRLQDA YGGWANRALA DHFRDYAELC FRHFGGQVKY WITIDNPYVW AWHGYATGRL APGIRGSPRL GYLVAHNLLL AHAKVWHLYN TSFRPTQGGQ VSIALSSHWI NRRMTDHSI KECQKSLDFV LGWFAKPVFI DGDYPESMKN NLSSILPDT ESEKKFIKGT ADFFALCFGP TFSFQLLDPH MKFRQLESPN LRQLLSWIDL EFNHPQIFIV ENGWFVSGTT KRDDAKYMY LKKFIMETLK AIKLDGVDVI GYTAWSLMDG FEWHRGYSIR RGLFYVDFLS QDKMLLPKSS ALFYQKLIK NGFPPLPENQ PLEGTFCDF AWGVDNYIQ VSQTKPISS LTKPYH
Tag:	Tag Free
Predicted MW:	65 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by the dose-dependent stimulation of the proliferation of murine NIH-3T3 cells. Recombinant human Klotho is effective in a concentration range of 0.5-2.0 μ g/mL.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_004786
Locus ID:	9365
UniProt ID:	Q9UEF7
RefSeq Size:	5003



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Cytogenetics: 13q13.1

RefSeq ORF: 3036

Synonyms: HFTC3

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]

Protein Families: Secreted Protein, Transmembrane