

Product datasheet for **AR31175PU-N**

Klotho Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Klotho human recombinant protein, 20 µg
Species:	Human
Expression Host:	CHO
Expression cDNA Clone or AA Sequence:	EPGDGAQTWA RFSRPPAPEA AGLFQGTFFD GFLWAVGSAA YQTEGG WQQH GKGASIWDTF THHPLAPPGD SRNASLPLGA PSPLQPATGD V ASDSYNNVF RDTEALRELG VTHYRFSISW ARVLPNGSAG VPNREGL RYY RLLERLREL GVQPVVTLYH WDLPQRLQDA YGGWANRALA DH FRDYAELC FRHFGGQVKY WITIDNPYV AWHGYATGRL APGIRGSP RL GYLVAHNLLL AHAKVWHLYN TSFRPTQGGQ VSIALSSHWI NPR RMTDHSI KECQKSLDFV LGWFAKPVFI DGDYPESMKN NLSSILPDF T ESEKKFIKGT ADFFALCFGP TLSFQLLDPH MKFRQLESPN LRQL LSWIDL EFNHPQIFIV ENGWFVSGTT KRDDAKYMY LKKFIMETLK AIKLDGVDVI GYTAWSLMDG FEWHRGYSIR RGLFYVDFLS QDKML LPKSS ALFYQKLIK NGFPPLPENQ PLEGTFFPCDF AWGVDNYIQ VSQTKPISS LTKPYH
Predicted MW:	65-70 kDa
Purity:	>98% by SDS-PAGE and HPLC
Buffer:	Presentation State: Purified State: Lyophilized purified protein Stabilizer: None
Bioactivity:	Biological: 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 µg/ml.
Preparation:	Lyophilized purified protein
Protein Description:	Recombinant Human Klotho is a 65-70 kDa glycoprotein containing 516 amino acid residues.
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_004786
Locus ID:	9365



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UniProt ID: [Q9UEF7](#)

Cytogenetics: 13q13.1

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