

Recombinant Full Length Human ANKH Protein, GST-tagged

Cat. No. ANKH-1246HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ANKH full-length ORF (AAH14526.1, 1 a.a. - 492 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	492 amino acids
Description	This gene encodes a multipass transmembrane protein that is expressed in joints and other tissues and controls pyrophosphate levels in cultured cells. Progressive ankylosis-mediated control of pyrophosphate levels has been suggested as a possible mechanism regulating tissue calcification and susceptibility to arthritis in higher animals. Mutations in this gene have been associated with autosomal dominant craniometaphyseal dysplasia. [provided by RefSeq, Jul 2008]
Molecular Mass	79.86 kDa
AA Sequence	MVKFPALTHY WPLIRFLVPL GITNIAIDFG EQALNRGIAA VKEDAVEMLA SYGLAYSLMK FFTGPMSDFK NVGLVFNNSK RDRTKAVLCM VVAGAIAAVF HTLIAYSDLG YYIINKLHHV DESVGSKTRR AFLYLAAFPF MDAMAWTHAG ILLKHKYSFL VGCASISDVI AQVVFVAILL HSHLECREPL LIPILSLYMG ALVRCTTLCL GYYKNIHDII PDRSGPELGG DATIRKMLSF WWPLALILAT QRISRPIVNL FVSRDLGGSS AATEAVAILT ATYPVGHMPY GWLTEIRAVY PAFDKNNPSN KLVSTSNVT AAIKKFTFV CMALSLTLCF VMFWTPNVSE

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KILIDIIGVD FAFaelcVVP LRIFSFFPVP VTVRAHLTGW LMTLKkTFVL
 APSSVLRIIV LIASLVVLPY LGVHGATLGV GSLLAGFVGE STMVAIAACY
 VYRKQKKKME NESATEGEDS AMTDMPPTEE VTDIVEMREE NE

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ANKH ankylosis, progressive homolog (mouse) [Homo sapiens]

Official Symbol

ANKH

Synonyms

ANKH; ankylosis, progressive homolog (mouse); ankylosis, progressive (mouse)
 homolog , CCAL2, CMDJ, craniometaphyseal dysplasia, Jackson type (dominant);
 progressive ankylosis protein homolog; ANK; CPPDD; HANK; CMDJ; MANK; CCAL2;
 FLJ27166

Gene ID

56172

mRNA Refseq

NM_054027

Protein Refseq

NP_473368

MIM

605145

UniProt ID

Q9HCJ1

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