

# Recombinant Full Length Human ANKH Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human ANKH full-length ORF ( AAH14526.1, 1 a.a. - 492 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	492 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	79.86 kDa
<b>AA Sequence</b>	MVKFPALTHY WPLIRFLVPL GITNIAIDFG EQALNRGIAA VKEDAVEMLA SYGLAYSLMK FFTGPMSDFK NVGLVFNLSK RDRTKAVLCM VVAGAIAAVF HTLIAYSDLG YYIINKLHHV DESVGSKTRR AFLYLAAFPF MDAMAWTHAG ILLKHKYSFL VGCASISDVI AQVVFVAILL HSHLECREPL LIPILSLYMG ALVRCTTLCL GYYKNIHDII PDRSGPELGG DATIRKMLSF WWPLALILAT QRISRPIVNL FVSRDLGGSS AATEAVAILT ATYPVGHMPY GWLTEIRAVY PAFDKNNPSN KLVSTSNVTV AAHIKKFTFV 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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