

# 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<br>SYGLAYSLMK FFTGPMSDFK NVGLVFNLSK RDRTKAVLCM VVAGAIAAVF<br>HTLIAYSDLG YYIINKLHHV DESVGSKTRR AFLYLAAFPF MDAMAWTHAG<br>ILLKHKYSFL VGCASISDVI AQVVFVAILL HSHLECREPL LIPILSLYMG<br>ALVRCTTLCL GYYKNIHDII PDRSGPELGG DATIRKMLSF WWPLALILAT<br>QRISRPIVNL FVSRDLGGSS AATEAVAILT ATYPVGHMPY GWLTEIRAVY<br>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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