

Recombinant Human ANKH protein, GST-tagged

Cat. No. ANKH-564H **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	Wheat Germ
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	MVKFPALTHYWPLIRFLVPLGITNIAIDFGEQALNRGIAAVKEDAVEMLASYGLAYSLM KFFTGPMSDFKNVGLVFVNSKRDRTKAVLCMVVAGAIAAVFHTLIAYSDLGYYIINKL HHVDES VGSKTRRAFLYLAAFPMDAMAWTHAGILLKHKYSFLVGCASISDVIAQVV FVAILLHSHLECREPLLIPILSLYMGALVRCTTLCLGYYKNIHDIIPDRSGPELGGDATIR KMLSFWWPLALILATQRISRPVNLVFSRDLGGSSAATEAVAILTATYPVGHMPYGWL TEIRAVYPAFDKNNPSNKL VSTSNTVTAAHIKKFTFVCMALSLTLCFVMFWTPNVSEK ILIDIIGVDFAFaelcVPLRIFSFFPVPTVRAHLTGWLMTLKKTFVLAPSSVLRIIVLIA SLVVLPYLG VHGATLG VGSLLAGFVGESTMVAIAACYVYRKQKKKMENESATEGED

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	SAMTDMPPTEEVTDIVEMREENE
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
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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