

Product Information

MemDX™ Membrane Protein Human ANKH (ANKH inorganic pyrophosphate transport regulator) for Antibody Discovery

Cat. No.: **MP0035X**

This product is for research use only and is not intended for diagnostic use.

This product is a 79.86 kDa Human ANKH membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ANKH

Protein Length

Full-length

Molecular Weight

79.86 kDa

TMD

8

Sequence

MVKFPALTHYWPLIRFLVPLGITNIAIDFGEQALNRGIAAVKEDAVEMLASYGLAYSLMKFFTGPMSDFKNVGLVFVNSKRDRTKAVL

Product Description

Application

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

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

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

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

ANKH

Full Name

ANKH inorganic pyrophosphate transport regulator

Introduction

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

Alternative Names

ANK; CCAL2; CMDJ; CPPDD; FLJ27166; HANK; MANK; progressive ankylosis protein

Gene ID

[56172](#)

UniProt ID

[Q9HCJ1](#)