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Product Information

MemDX™ Membrane Protein Human ANKH (ANKH inorganic pyrophosphate transport regulator) Full Length

Cat. No.: **MPC1248K**
This product is for research use only and is not intended for diagnostic use.

This product is a 54.2 kDa Human ANKH membrane protein expressed in HEK293. 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

Protein Class
Transporter

Molecular Weight
54.2 kDa

TMD
8

Sequence
MVKFPALTHYWPLIRFLVPLGITNIAIDFGEQALNRGIAAVKEDAVEMLA
SYGLAYSLMKFFTGPMSDFKNVGLVFVNSKRDRTKAVLCMVVAGAIAAVF
HTLIAYSDLGYYIINKLHHVDESVGSKTRRAFLYLAAFPFMDAMAWTHAG
ILLKHKYSFLVGCASISDVIAQVVFVAILLHSHLECREPLLIPILSLYMG
ALVRCTTLCLGYYKNIHDIIPDRSGPELGGDATIRKMLSFWWPLALILAT
QRISRPIVNLFVSRDLGGSSAATEAVAILTATYPVGHMPYGWLTEIRAVY
PAFDKNNPSNKLVSTSNTVTAAHIKKFTFVCMALSLTLCFVMFWTPNVSE
KILIDIIGVDFAFAELCVVPLRIFSFFPVPVTVRAHLTGWLMTLKKTFVL
APSSVLRIIVLIASLVVLPYLGVHGATLGVGSLLAGFVGESTMVAIAACY
VYRKQKKKMENESATEGEDSAMTDMPPTEEVTDIVEMREENE

Product Description

Expression Systems
HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

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

ANKH; ANK; CMDJ; HANK; MANK; CCAL2; CPPDD; SLC62A1; progressive ankylosis protein homolog; ankylosis, progressive homolog; ANKH inorganic pyrophosphate transport regulator

Gene ID

56172

UniProt ID

Q9HCJ1

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