

Product Information

MemDX™ Membrane Protein Human PHEX (Phosphate regulating endopeptidase homolog X-linked) Full Length

Cat. No.: **MPC1905K**

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

This product is a 86.4 kDa Human PHEX 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

PHEX

Protein Length

Full length

Protein Class

Protease

Molecular Weight

86.4 kDa

TMD

1

Sequence

MEAETGSSVETGKKANRGTRIALVVFVGGTLVLGTILFLVSQGLLSLQAK
QEYCLKPECIEAAAILSKVNLSVDPCDNFFRFACDGWISNNPIPEDMPS
YGVYPWLRHNVDLKLKELLEKSISRRRDTEAIQKAKILYSSCMNEKAIEK
ADAKPLLHILRHSPFRWPVLESNIGPEGVWUSERKFSLLQTLATFRGQYSN
SVFIRLYVSPDDKASNEHILKLDQATLSLAVREDYLDNSTEAKSYRDALY
KFMVDTAVLLGANSSRAEHDMKSVLRLEIKIAEIMIPHENRTSEAMYNKM
NISELSAMIPQFDWLGYIKKVIDTRLYPHLKDISPENVVVRVPQYFKDL
FRILGSEKKTIANYLWVRMVYSRIPNLSRRFQYRWLEFSRVIQGTITLL
PQWDKCVNFIESALPYVVGKMFVDVYFQEDKKEMMEELVEGVRWAFIDML
EKENWMDAGTKRKAKEKARAVLAKVGYPEFIMNDTHVNEDLKAIFSEA
DYFGNVLQTRKYLAQSDFFWLRKAVPKTEWFTNPTTVNAFYSASTNQIRF
PAGELQKPFWGTGYPRSLSYGAIGVIVGHEFTHGFDNNGRKYDKNGNLD
PWWSTESEEEKFKEKTKCMINQYSNYYWKKAGLNVKGKRTLGENIADNGGL
REAFRAYRKWINDRRQGLEEPLPGITFTNNQLFFLSYAHVRCNSYRPEA
AREQVQIGAHSPQFRVNGAISNFEEFQKAFNCPPNSTMNRGMDSCRLW

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 -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

PHEX

Full Name

Phosphate regulating endopeptidase homolog X-linked

Introduction

The protein encoded by this gene is a transmembrane endopeptidase that belongs to the type II integral membrane zinc-dependent endopeptidase family. The protein is thought to be involved in bone and dentin mineralization and renal phosphate reabsorption. Mutations in this gene cause X-linked hypophosphatemic rickets. Alternative splicing results in multiple transcript variants.

Alternative Names

PHEX; HYP; PEX; XLH; HPDR; HYP1; LXHR; HPDR1; phosphate-regulating neutral endopeptidase PHEX; X-linked hypophosphatemia protein; metalloendopeptidase homolog PEX; phosphate regulating gene with homologies to endopeptidases on the X chromosome (hypophosphatemia, vitamin D resistant rickets); vitamin D-resistant hypophosphatemic rickets protein; Phosphate regulating endopeptidase homolog X-linked

Gene ID

[5251](#)

UniProt ID

[P78562](#)