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Product Information

MemDX™ Membrane Protein Human FXYD4 (FXYD domain containing ion transport regulator 4) Expressed *in vitro E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX3667K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human FXYD4 membrane protein expressed *in vitro E.coli* 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
FXYD4

Protein Length
Full Length of Mature Protein

Protein Class
Ion channel, Transport

TMD
1

Sequence
DPFANKDDPFYYDWKNLQLSGLICGGLLAIAGIAAVLSGKCKCKSSQKQHSPVPEKAIPLITPGSATTC

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis tag at the N-terminus

Protein Format
Soluble

Form
Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

FXYD4

Full Name

FXYD domain containing ion transport regulator 4

Introduction

This gene encodes a member of a family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXYD and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXYD-domain containing ion transport regulator. FXYD4, originally named CHIF for channel-inducing factor, has been shown to modulate the properties of the Na,K-ATPase, as has FXYD2, also known as the gamma subunit of the Na,K-ATPase, and FXYD7. Transmembrane topology has been established for FXYD4 and two family members (FXYD1 and FXYD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. Alternatively spliced transcript variants encoding the same protein have been found.

Alternative Names

FXYD4; CHIF; channel-inducing factor; FXYD domain containing ion transport regulator 4

Gene ID

53828

UniProt ID

P59646

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