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Product Information

MemDX™ Membrane Protein Human FXYD4 (FXYD domain containing ion transport regulator 4) for Antibody Discovery

Cat. No.: **MP0908J**
This product is for research use only and is not intended for diagnostic use.

This product is a 9.2 kDa Human FXYD4 membrane protein expressed in HEK293T. 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

Protein Class
Ion Channels: Other, Transmembrane

Molecular Weight
9.2 kDa

TMD
1

Sequence
MERVTLALLLLAGLTALEANDPFANKDDPFYYDWKNLQLSGLICGGLLAIAGIAAVLSGKCKCKSSQKQH
SPVPEKAIPLITPGSATTC

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

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

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

CHIF

Gene ID

53828

UniProt ID

P59646

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