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Product Information

MemDX™ Membrane Protein Human FXYD7 (FXYD domain containing ion transport regulator 7) for Antibody Discovery

Cat. No.: **MP1039J**
This product is for research use only and is not intended for diagnostic use.

This product is a 8.3 kDa Human FXYD7 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
FXYD7

Protein Length
Full-length

Protein Class
Ion Channels: Other, Transmembrane

Molecular Weight
8.3 kDa

TMD
1

Sequence
MATPTQTPTKAPEEPDPFYYDYNTVQTVGMTLATILFLLGILIVISKKVKCRKADSRSESPTCKSCKSEL PSSAPGGGGV

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

FXYD7

Full Name

FXYD domain containing ion transport regulator 7

Introduction

This reference sequence was derived from multiple replicate ESTs and validated by similar human genomic sequence. 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. Transmembrane topology has been established for two family members (FXYD1 and FXYD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. FXYD2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXYD1 (phospholemman), FXYD2 (gamma), FXYD3 (MAT-8), FXYD4 (CHIF), and FXYD5 (RIC) have been shown to induce channel activity in experimental expression systems. This gene product, FXYD7, is novel and has not been characterized as a protein.

Alternative Names

FLJ25096

Gene ID

53822

UniProt ID

P58549

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