

Product Information

MemDX™ Membrane Protein Human FXYP7 (FXYP domain containing ion transport regulator 7) Full Length

Cat. No.: **MPC0508K**

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

This product is a 8.5 kDa Human FXYP7 membrane protein expressed in *E.coli*. 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

FXYP7

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

8.5 kDa

TMD

1

Sequence

MATPTQTPTKAPEEPDPFYDYNTVQTVGMTLATILFLLGILIVISKVK
CRKADSRSESPTCKSCKSELPSSAPGGGGV

Product Description

Expression Systems

E.coli

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

FXYP7

Full Name

FXYP 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 PFXYP and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXYP-domain containing ion transport regulator. Transmembrane topology has been established for two family members (FXYP1 and FXYP2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. FXYP2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXYP1 (phospholemman), FXYP2 (gamma), FXYP3 (MAT-8), FXYP4 (CHIF), and FXYP5 (RIC) have been shown to induce channel activity in experimental expression systems. This gene product, FXYP7, is novel and has not been characterized as a protein.

Alternative Names

FXYP domain-containing ion transport regulator 7; FXYP7; FXYP domain containing ion transport regulator 7

Gene ID

[53822](#)

UniProt ID

[P58549](#)