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Product Information

MemDX™ Membrane Protein Human FXYD3 (FXYD domain containing ion transport regulator 3) expressed in E.coli for Antibody Discovery

Cat. No.: **MP1381J**
This product is for research use only and is not intended for diagnostic use.

This product is a 20.5 kDa Human FXYD3 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
FXYD3

Protein Length
Partial (21-38aa)

Protein Class
Ion Channel

Molecular Weight
20.5 kDa

Sequence
AATGACCTAGAAGATAAAAACAGTCCTTTCTACTATGACTGGCACAGCCTCCAG

Product Description

Expression Systems
E.coli

Tag
N-6xHis-SUMO

Form
Liquid or Lyophilized powder

Reconstitution
Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration).

Purity

>85% as determined by SDS-PAGE

Buffer

Liquid: Tris/PBS-based buffer, 5%-50% glycerol
Lyophilized powder: Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

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

Target

Target Protein

FXYD3

Full Name

FXYD domain containing ion transport regulator 3

Introduction

This gene belongs to a small family of FXYD-domain containing regulators of Na+/K+ ATPases which share a 35-amino acid signature sequence domain, beginning with the sequence PFXYD, and containing 7 invariant and 6 highly conserved amino acids. This gene encodes a cell membrane protein that may regulate the function of ion-pumps and ion-channels. This gene may also play a role in tumor progression. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Alternative Names

Chloride conductance inducer protein Mat 8; Chloride conductance inducer protein Mat-8; FXYD domain containing ion transport regulator 3; FXYD domain-containing ion transport regulator 3; Fxyd3; FXYD3_HUMAN; Mammary tumor 8 kDa protein; MAT-8; MAT8; MGC111076; Phospholemman like; Phospholemman-like; PLML

Gene ID

5349

UniProt ID

Q14802