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Product Information

MemDX™ Membrane Protein Human KCNF1 (Potassium voltage-gated channel modifier subfamily F member 1) Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX2796K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human KCNF1 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
KCNF1

Protein Length
Full Length

Protein Class
Ion channel, Transport

TMD
6

Sequence
MDGSGERSLPEPGSQSSAASDDIEIVVNVGGVRQVLYGDLLSQYPETRLAELINCLAGGYDTIFSLCDDYDPGKREFYFDRDPDAFR

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

KCNF1

Full Name

Potassium voltage-gated channel modifier subfamily F member 1

Introduction

Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, subfamily F. This gene is intronless and expressed in all tissues tested, including the heart, skeletal muscle, brain, kidney, and pancreas.

Alternative Names

KCNF1; IK8; kH1; KCNF; KV5.1; potassium channel KH1; voltage-gated potassium channel subunit Kv5.1; Potassium voltage-gated channel modifier subfamily F member 1

Gene ID

3754

UniProt ID

Q9H3M0