

Product Information

MemDX™ Membrane Protein Human HCN3 (Hyperpolarization activated cyclic nucleotide gated potassium channel 3) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX2875K**

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

This product is a Human HCN3 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

HCN3

Protein Length

Full Length

Protein Class

Ion channel, Transport

TMD

6

Sequence

MEAEQRPAAGASEGATPGLEAVPPVAPPPATAASGPIPKSGPEPKRRHLGTLTLLQPTVNFSLRVFGSHKAVEIEQERVKSAGAWI

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

HCN3

Full Name

Hyperpolarization activated cyclic nucleotide gated potassium channel 3

Introduction

This gene encodes a multi-pass membrane protein that functions as a voltage gated cation channel. The encoded protein is a member of a family of closely related cyclic adenosine monophosphate-binding channel proteins. Alternative splicing results in multiple transcript variants.

Alternative Names

HCN3; potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 3; Hyperpolarization activated cyclic nucleotide gated potassium channel 3

Gene ID

[57657](#)

UniProt ID

[Q9P1Z3](#)